

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



62.2



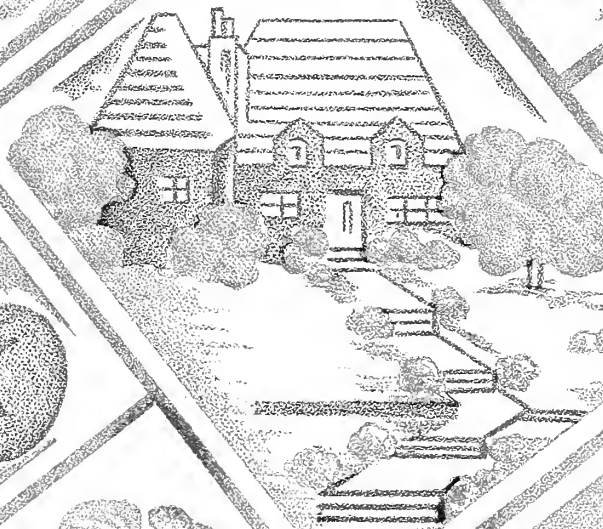
1933

# Our Seeds Grow Friends

LIBRARY  
RECEIVED  
★ JAN 25 1933 ★  
U. S. Department of Agriculture.



1933



## DUTHIE SEED COMPANY

LEWISTON, IDAHO.

## “Satisfied Customers Are Our Greatest Asset”

### READ THIS LETTER FROM A SATISFIED CUSTOMER

“The 12 lbs. New York Lettuce Seed bought of you in the spring gave very good results. We note your catalog price of \$2.25 per pound. Am enclosing a check for \$10.00 for which please send me 5 lbs. of the same seed. I am hoping that you can make me this price on this quantity; but if not please send the maximum amount for \$10.00 by return mail.”

## Free with Your Seed Order

Valuable  
60 to 80 page

Booklets

60c each

or your  
choice with

\$2.50

Vegetable

or Flower

seed order

\* \* \*

Select two  
with \$4.00  
order



Select your  
seeds  
to-day.  
Obtain  
these Booklets  
**FREE**  
with  
your 1933  
seed order

\* \* \*

One  
Booklet  
**FREE**  
with order  
for 100  
Baby Chicks

These Booklets contain practical information and demonstrations, and the Gardener, Farmer, Poultryman and Dairyman can obtain this information without cost.

We will include, without cost, the complete assortment of twelve valuable Booklets (Value \$7.20) with orders of Flower and Garden seeds amounting to \$10.00 or over, or for order of Field seeds to the amount of \$25.00 or over.

# **Announcement**

---

In presenting our 1933 issue of "Our Seeds Grow Friends" we are offering greater values than ever before. In many cases prices have been reduced. In others quality has been further intensified. In many cases we have been able to give our patrons the advantage of both higher quality and lower price.

There are no better seeds offered at any price than you will be able to obtain in our "Supreme Quality" seeds.

If you purchase your bulk seeds from your local dealer, insist on getting them from the original pour door carton.

## **NEW AND SELECTED STRAINS**

We are especially well pleased with the results obtained by our customers with our "New and Selected Strains" during the past year. Following is an extract from one of the many fine letters that we have received;

"I bought six White Wonder Potatoes from you and cut them to one eye. I planted 42 hills. One hill did not come and I dug 64 pounds of fine potatoes last fall so I am well pleased."

It is very gratifying to us to receive such letters from our customers. For after all our greatest asset is our satisfied customers.

## **NEW VARIETIES FOR 1933**

We are this year offering several new varieties which have proven of special merit. Each of these is worthy of a place in your garden.

## **HOME GARDEN COLLECTIONS**

We want to draw your attention to the home garden collections on pages 24 and 25. They are designed to meet the needs of every home gardener, and are made up of the choicest varieties listed in this catalog.

On page 24 is offered a "Home Garden Collection" of extra early varieties for the first early planting and for the main planting in the higher elevations where the season is short. On page 25 is offered a second early collection that is adapted to the medium and lower elevations. The two can be combined in long season locations. We offer these collections in the belief that they will be of much benefit to the average farm and home gardener in making his selections. Try one or both of these. They are well adapted to your needs.

# BABY CHICKS FOR 1933

This year again we not only meet competition but surpass it in quality and values.

We can only quote prices here. Write for any additional information required. Remember that for 1933, Lee's Lively Chicks will give greater values than ever before.

B. W. D. Tested	100% Live Delivery Guaranteed				
	25	50	100	500	1000
White Leghorns .....	\$3.50	\$6.75	\$12.50	\$60.00	\$115.00
Rhode Island Reds .....	4.00	7.50	13.00	62.50	120.00
Barred Rocks .....	4.00	7.50	13.00	62.50	120.00
White Minorcas .....	4.25	8.00	15.00	72.50	.....
Black Minorcas .....	4.50	8.50	16.00	77.50	.....
White Wyandottes .....	4.50	8.50	16.00	77.50	.....
Buff Orpingtons .....	4.25	8.00	15.00	72.50	.....
Jersey Black Giants .....	4.25	8.00	15.00	72.50	.....
Anconas .....	3.75	7.00	13.00	67.50	.....
Brown Leghorns .....	3.75	7.00	13.00	67.50	.....
Extra Heavy Assorted .....	3.50	6.50	12.00	60.00	120.00
May include Orpingtons, Wyandottes, Giants					
Heavy Assorted .....	3.00	5.50	10.00	50.00	100.00
May include Reds, Rocks, Extra Heavys					
Light Assorted .....	2.50	4.50	8.00	40.00	80.00
May include Leghorns and others					

Orders for assorted chicks should be placed early as the supply is very limited.

Write for discount on May and June Chicks

Terms: \$2.00 per hundred with order, balance before shipment, or C. O. D. 5% DISCOUNT for cash in full with all orders received 30 days in advance of shipping date. Additional information regarding mating of your favorite variety on request.

## COMPETITIVE CHICKS

### AT POPULAR PRICES

Better than ordinary cheap chicks

B. W. D. Tested

	25	50	100	1000
White Leghorns .....	\$2.75	\$5.25	\$ 9.50	\$ 90.00
Rhode Island Reds .....	3.25	6.00	11.00	100.00
Barred Rocks .....	3.25	6.00	11.00	100.00

Send \$2.00 per 100 chicks with order. Chicks will be sent C. O. D. for balance, or if you send full amount with order, you will save C.O.D. charge

# Plant a Garden

If the family earning power is reduced, **PLANT A GARDEN.**

If you want good health that comes from outdoor work and recreation, **PLANT A GARDEN**

## Asparagus

One ounce of seed will produce 300 or more plants.

**CULTURE**—It will require two or three seasons to produce a marketable crop of asparagus from seed, but this method is often superior to root planting as better plants can be selected for the permanent beds. Asparagus grows better and produces earlier in the spring if planted in well-drained soil having a southern exposure. Plant eighteen inches apart in rows three and one-half feet apart.

**MARY WASHINGTON**—A most remarkable Asparagus which has been developed by the United States Department of Agriculture. The plants form large clean shoots which are thick and heavy. The color is rich dark green, tinted darker at the tips. It is a heavy yielder and a long-lived producer of exceptionally fine flavor. Price postpaid 3rd zone. Pkt. 5c; oz. 20c; 2 oz. 35c; pound \$1.75.

**PALMETTO**—The old standard variety widely used. Stalks are greenish in color and of excellent quality. Postpaid. Pkt. 5c; oz. 15c; 2 oz. 25c; 1 pound \$1.00. Roots—Postpaid, \$2.00 per 100; Frt. or Exp. collect \$1.75.



Mary Washington

## Garden Beans

One pound will plant 100 feet of drill.

**CULTURE**—Plant in warm, loamy soil at the beginning of warm weather, and at intervals for succession until August. Rows may be made two feet apart, and the beans planted two to four

inches apart in the drills, or three or four beans in hills six to eight inches apart. Cultivate and hoe frequently when the vines are dry.

## Green-Podded Varieties

**BURPEE'S STRINGLESS GREEN-POD**—One of the earliest; round podded, always stringless, tender and crisp. 42 days. Finest green-pod bush bean in cultivation. This famous snap bean is unequaled. Plants are large of somewhat spreading growth, with dark green foliage, and always of strictly bush form. The pods are medium in length, slightly curved, and are so thick, even when quite young, as to be double-barreled. The pods are an attractive rich green. Burpee's Stringless Green-Pod is enormously productive and combines this feature with hardiness and extreme earliness. The pods are meaty and juicy, lacking the faintest signs of any strings. They are tender, brittle, and of very fine flavor. Prepaid 3rd zone. Carton 15c; 1 lb. 30c; 5 lbs. \$1.35; 10 lbs. \$2.25.

**GIANT STRINGLESS GREEN-POD**—The plants are of strong growth, and bear a fine crop of pods. The pods are meaty, nearly round, brittle and stringless. Somewhat similar to Burpee's Stringless Green-Pod, but matures a few days later. The color of the pods is lighter than Burpee's Stringless Green-Pod and they show deeper depressions between the beans. Carton 15c; 1 pound 30c; 5 pounds \$1.40; 10 pounds \$2.25.

**DWARF HORTICULTURAL**—Excellent either as a snap or shell bean. 60 days. Also called Cranberry and Italian bean. A bush bean with large green pods, splashed with carmine. Seed pale buff mottled pink. Carton 15c; 1 pound 30c; 5 pounds \$1.25.



Burpee's Stringless Green-Pod

**EARLY RED VALENTINE**—A choice variety for early use. Pods are of excellent quality. A favorite where moisture is limited. Carton 15c; 1 pound 30c; 5 pounds \$1.35; 10 pounds \$2.25.

**EARLY SIX WEEKS**—One of the earliest green-pod varieties. The beans are of excellent quality if harvested when quite small. A choice variety for early home use. Used in some short season sections as a dry bean for winter use. Carton 15c; 1 pound 25c; 5 pounds \$1.25; 10 pounds \$2.25.

**REFUGEE OR 1000 TO 1**—A late variety. Pods very slender and brittle, of good quality, suitable for planting for late canning. Carton 15c; 1 pound 25c; 10 pounds \$2.00.



**FOR BEST RESULTS  
INOCULATE WITH  
NITRAGIN  
GARDEN SIZE 25c**

## GARDEN BEANS—Continued

### Wax-Podded Varieties



Duthie's Stringless Wax

**DUTHIE'S STRINGLESS WAX**—A most prolific variety of superlative quality. The handsome rich yellow pods are slightly curved, averaging 6 to 7 inches in length. They are almost round, very meaty and sweet, and perfectly stringless at all stages. The habit of the plant is free branching, but sturdy and upright, every branch carrying a heavy crop of the magnificent pods. Valuable for its productiveness and disease-resisting qualities. It is classed as an early variety, and has proven to be a quick seller. Carton 15c; 1 lb. 35c; 5 lbs. \$1.50; 10 lbs. \$2.75.

**GOLDEN WAX**—This variety is ready for use with Stringless Green-Pod. The pods are medium in size, flattened and fleshy and of good quality. A good variety for the home garden. Carton 15c; 1 lb. 30c; 5 lbs. \$1.35; 10 lbs. \$2.25.

**PENCIL-POD BLACK WAX**—This black wax bean produces a very slender type of pod of excellent quality for canning and for market garden use. They are free of strings and are of rich flavor. Carton 15c; 1 lb. 30c; 5 lbs. \$1.15; 10 lb. \$2.00.

**DAVIS WHITE WAX**—This bean is among the earliest of the yellow-pod varieties in maturity and produces large pods of excellent quality. Carton 15c; 1 lb. 25c; 5 lbs. \$1.15; 10 lbs. \$2.00.

**PROLIFIC BLACK WAX**—This black seeded bean produces a larger pod than the Pencil-Pod Black Wax. The plants are medium early in maturity and are very productive. Carton 15c; 1 lb. 25c; 5 lbs. \$1.20; 10 lbs. \$2.00.

### Pole or Climbing Beans Green and Wax-Pod Varieties

**KENTUCKY WONDER or OLD HOMESTEAD**—An early and productive variety that climbs well and bears a fine crop of large green pods, 7 to 9 inches in length. They are thick and meaty, tender, brittle, and of good quality, showing slight strings as the pods reach full size. Carton 15c; 1 lb. 35c; 5 lbs. \$1.35.

**OREGON GIANT**—The large fleshy pods 10 to 12 inches in length are free from stringiness, tender, crisp and delicious. The size, splendid quality and rich flavor make this one of the most desirable beans for home garden and for canning. "Oregon Giant" is a strong grower and yields heavily, bearing its enormous pods in great clusters. The color is light greenish yellow, splashed red. Carton 15c; 1 lb. 35c; 5 lbs. \$1.50; 10 lbs. \$2.50.

**LAZY WIFE**—This bean has large oval white seeds. The plants are later in bloom than Kentucky Wonder; are suitable for green as well as for dry beans. Carton 15c; 1 lb. 30c; 10 lbs. \$2.50.

**KENTUCKY WONDER WAX**—A variety similar to the green-pod Kentucky Wonder in habits of growth but the pods are bright yellow in color. The seeds are dark brown and somewhat wrinkled in appearance. Carton 15c; 1 lb. 35c; 5 lbs. \$1.50; 10 lbs. \$2.75.



Kentucky Wonder

## Lima Beans

**IMPROVED BURPEE BUSH**—A large seeded bush lima somewhat later in maturity than the Henderson bush. This bean will mature at lower elevations. Carton 15c; 1 lb. 40c; 5 lbs. \$1.75.

**HENDERSON BUSH**—A small seeded lima, very desirable for home garden where the season is somewhat short. It is very productive and the dry beans are in demand for market purposes. Carton 15c; 1 lb. 35c; 5 lbs. \$1.50.

**KING OF THE GARDEN POLE LIMA**—A large seeded early variety suitable for planting where

the season is long. Carton 15c; 1 lb. 40c; 5 lbs. \$1.75; 10 lbs. \$3.00.

for Better Vegetables

**VIGORO**

Specialty prepared plant food

Treat Your Seed Beans  
with Semesan to Increase  
Germination and Vitality.

# Beets

One ounce will sow 50 feet of drill; 6 to 8 pounds per acre.

**CULTURE**—For early table beets, have drills 16 to 20 inches apart, and sow the seed about one inch deep, as early as the ground can be put in good shape. Give thorough and clean cultivation, and thin the plants to stand 4 inches apart in the rows. For succession sow at intervals until middle of July. For the earliest sowing a light dressing of Vigoro; say 4 pounds per 100 square feet will work wonders.

Table beets should be grown in every garden as they are produced with little effort and supply the table with greens as well as with excellent roots.

## Table Varieties

**EARLY WONDER**—An improvement, by selection, of Crosby's Egyptian. As a variety to bunch for the market, it has no equal. Color is a rich dark red, small top, single tap root and a fine keeper. It merits a place in every garden, private or for market. Prepaid 3rd zone. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 90c.

**EARLY BLOOD TURNIP**—A globe-shaped variety which is somewhat flattened. The roots are bright red in color and of uniform texture. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 90c.

**DETROIT DARK RED**—One of the favorite varieties for canning and slicing. The roots are medium in size, and globe shaped and are early in maturity. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 90c.

**EXTRA EARLY EGYPTIAN**—A popular variety used for early planting. The roots are distinctively flattened, the flesh dark red in color. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 90c.

**EXTRA EARLY ECLIPSE**—Round, very early, good size, very tender. Has small top, bright red flesh. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 90c.



Early Wonder

## Stock Beets or Mangels

Early planting is important on non-irrigated land because of the difficulty in securing a satisfactory germination. The seed should not be planted too deep and the ground should be rolled after planting to pack the surface soil. Later planting can be done under irrigation with favorable results.

**IMPROVED MAMMOTH LONG RED**—This variety grows well above the ground and produces a dark red colored root. It is favorite with many growers. Grows to immense size under favorable conditions. Prepaid 3rd zone. Oz. 10c; 3 oz. 25c; 1 lb. 60c; 5 lbs. \$2.40.

**GIANT HALF SUGAR ROSE**—We consider this one of the best for stock feeders because of its yield and excellent feeding value. The skin is rose colored and the flesh white. Prepaid 3rd zone. Oz. 10c; 3 oz. 25c; 1 lb. 60c; 5 lbs. \$2.40.

**DANISH SLUDSTRUP**—This Mangel grows a large portion of the root above the surface soil. The roots are reddish yellow in color, attaining a large size when fully matured. Prepaid 3rd zone. Oz. 10c; 3 oz. 25c; 1 lb. 60c; 5 lbs. \$2.40.

**GIANT INTERMEDIATE** — A variety similar to the Sludstrup but generally considered of higher sugar content. Excellent for stock feed. Prepaid 3rd zone. Oz. 10c; 3 oz. 25c; 1 lb. 60c; 5 lbs. \$2.40.

**GOLDEN TANKARD**—The roots of this Mangel are cylindrical in shape and of a deep orange color. This variety is rich in flavor and of high sugar content. Prepaid 3rd zone. Oz. 10c; 3 oz. 25c; 1 lb. 60c; 5 lbs. \$2.40.



Mammoth Long Red

## Swiss Chard

Four pounds per acre required

Every home garden should contain a few rows of this leafy vegetable. The top only is suitable for food, using the tender leafy portion for greens. The plants grow rapidly and produce a good crop early in the spring before other leafy crops are ready. Poultrymen grow this crop for green feed for use during the early spring.

**LUCULLUS**—This leafy variety produces large curly leaves with tender white stems. If cut often will continue to produce until hot weather. Prepaid 3rd zone. Pkt. 5c; 1 oz. 15c; 2 oz. 25c; 1 pound 85c.



Swiss Chard

VIGORO FOR BETTER VEGETABLES

# Cabbage

Sow one ounce for 2,000 plants; four to six ounces per acre.

**CULTURE**—For plants of the earliest sorts, sow seed in January or February under glass and transplant into flats 2 inches apart. Set out as early as season will permit, spacing the plants 24 inches apart in the rows, and rows 3 feet to permit cultivation. For late plants, the seed may be sown as late as June.

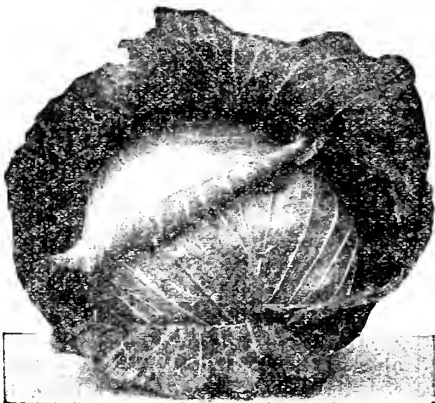
**EARLY JERSEY WAKEFIELD**—One of the earliest varieties, producing conical shaped heads. The heads of this cabbage are not as large as those of the Flat type, yet it is valuable for its earliness. Pkt. 5c; oz. 20c; 3 oz. 50c; pound \$1.50.

**EARLY WINNIGSTADT**—This cabbage is similar to the Jersey Wakefield but the leaves are twisted toward the top of the head. Pkt. 5c; oz. 20c; pound \$1.50.

**GOLDEN ACRE**—We consider this the best variety for early market use. It is a selection from Copenhagen Market. The heads are round, very compact, solid and early in maturity. Postpaid 3rd zone. Pkt. 5c; oz. 25c; lb. \$2.00.



Early Jersey Wakefield



Copenhagen Market

**COPENHAGEN MARKET**—One of the standard varieties of flat headed cabbage for medium early use. Pkt. 5c; oz. 25c; lb. \$1.75.

**EARLY FLAT DUTCH**—This cabbage is similar in type to the Late Flat Dutch but has been selected for early maturity. Pkt. 5c; oz. 20c; pound \$1.50.

**GLORY OF ANKHUIZEN**—A medium early variety with large round solid heads desirable for main crop planting where the season is short. Pkt. 5c; oz. 30c; lb. \$2.00.

**DANISH BALL HEAD**—The most popular late variety; head round, firm, fine grained. A good keeper. Pkt. 5c; oz. 25c; pound \$2.00.

**PREMIUM LATE FLAT DUTCH**—An improved old standard variety. Sure header. Pkt. 5c; oz. 25c; lb. \$2.00.

**HOLLAND EXPORT**—Excellent red. Pkt. 5c; oz. 25c; pound \$2.00.

**CHINESE CABBAGE**—Resembles Cos Lettuce. Pkt. 5c; oz. 25c; pound \$2.00.

## Brussels Sprouts

A member of the cabbage family, producing a tall stalk, upon which are borne many small cabbage-like heads. A very tender and palatable vegetable. The crop should be grown and handled like a late variety of cabbage. Postpaid 3rd zone. Pkt. 5c; 1 oz. 30c; 3 oz. 85c; pound \$4.00.

## Cress

**GARDEN CRESS or PEPPER GRASS**—Much used with lettuce, to which flavor it adds an agreeable pungency. Pkt. 5c; oz. 20c; ¼ lb. 60c.

## Cucumbers

One ounce will plant fifty hills; two pounds will plant one acre.

**CULTURE**—For very early cucumbers, sow April 1st, in a hotbed upon pieces of sod (grass side down), so that they can be readily transplanted to the open ground, in rich soil, when danger of frost is over. For early use, plant in hills 4 to 6 feet apart each way; thin out to four of the strongest plants to each hill, after all danger of insects is over. Cucumbers should be gathered when large enough for use, whether required or not, if left to ripen, it destroys their productiveness.

**BOSTON PICKLING**—One of the best known varieties for general use. The fruits are short, of medium size and suitable for pickling as well as slicing. Is early and very productive.

**DAVIS PERFECT**—We recommend this variety as one of the best general purpose cucumbers. The fruits are dark green in color tapering toward the ends, of good size and excellent quality. A choice variety for market.

All Cucumbers postpaid 3rd zone. Pkt. 5c; 1 oz. 15c; 2 ozs. 25c; 1 lb. \$1.00.



No. 1 Boston Pickle; No. 2 Davis Perfect; No. 3 Early Cluster; No. 4 White Spine

## CUCUMBERS—Continued

**EARLY CLUSTER**—The fruits of this variety are small in size and desirable for pickling.

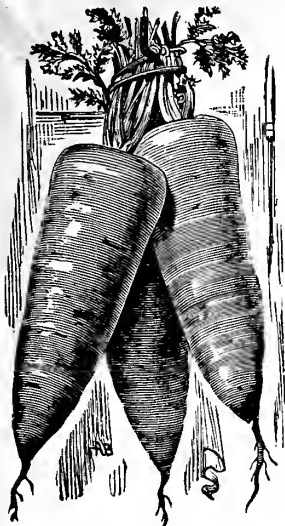
**IMPROVED WHITE SPINE**—One of the earliest of the Spine varieties with medium large fruits of mild flavor and crisp quality.

**IMPROVED LONG GREEN**—This variety is generally grown for commercial use as a slicing cucumber. It is medium late in maturity, the fruits are long and tapering and of dark green color.

**LEMON CUCUMBER**—A variety with lemon shaped fruits and medium early in maturity.

**JAPANESE CLIMBING**—This variety is often used for planting along fences and trellis as it produces long runners. The fruits are of excellent quality for pickling and salads.

All Cucumbers postpaid 3rd zone. Pkt. 5c; 1 oz. 15c; 2 oz. 25c; 1 pound 90c.



Danvers Half Long

15c; 3 oz. 35c; 1 lb. \$1.00; 5 lbs. \$4.50. Prepaid.

**OXHEART**—A short stump rooted variety, very popular for planting on heavy soil. Also suited to early harvest for market purposes. Prepaid. Pkt. 5c; oz. 15c; 3 oz. 35c; 1 lb. \$1.00; 5 lbs. \$4.50.

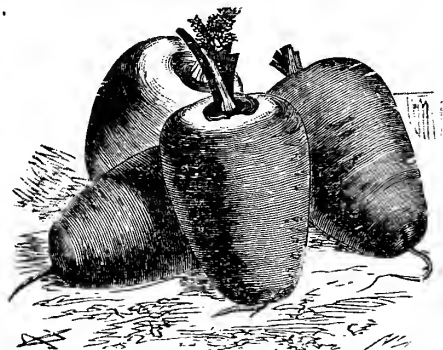
**HALF LONG NANTES**—A handsome half long variety, almost perfectly cylindrical, blunt-ended, and with a very small tap-root. The carrots are 6 inches long and 1½ inches thick. Both the skin and flesh are bright orange-red. Sweet and very tasty. Pkt. 5c; oz. 15c; 2 oz. 35c; 1 lb. \$1.00; 5 lbs. \$4.50.

## Carrots

**CULTURE**—One ounce to 200 feet of row; 2 to 4 pounds per acre. any good soil will grow Carrots. Well grown and perfect roots develop only in rich, loose soil, preferably sandy loam, or even clear sand when well fertilized and kept moist. In rich, loose soil no thinning is necessary except for the purpose of getting large, perfectly formed Carrots. The flavor and tenderness of table varieties is secured by quick, unchecked growth. For Winter use store Carrots in slightly moist sand or sandy loam in a root cellar.

**DANVERS HALF LONG**—(65 days). The heaviest yielding half-long variety. One of the best for general crop and a profitable variety for market gardeners. Danvers is productive in all classes of soil. The color is a bright orange-scarlet and the core is rather definite. The tops are a little larger than Chantenay. While of table quality, the heavy yield also makes Danvers suitable for a stock Carrot. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00; 5 lbs. \$4.50.

**CHANTENAY**—We recommend this variety very highly for the market garden trade as well as for home use. The roots are tapering and stumped at the base making them more easily harvested in heavy soil. This variety is equal to the Danvers Half Long in quality and is productive. Pkt. 5c; oz.



Oxheart Carrots

**LONG ORANGE**—This variety is grown extensively for stock feeding and is very popular because of its color, size and yield.

**WHITE BELGIAN**—As some growers prefer a white carrot, we offer this as a choice variety for stock feeding. A portion of the root grows above the soil so it is easily harvested.

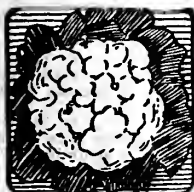
**LARGE YELLOW BELGIAN**—This variety is

similar to the Large White Belgian but the skin is a pale orange color. The flesh is also light orange.

**WHITE MASTODON**—A field carrot of enormous productiveness, easy to harvest. Very heavy at shoulder, tapering regularly to point; light green at the crown, white below; flesh white.

All Stock Carrots postpaid 3rd zone. Pkt. 5c; oz. 15c; 2 ozs. 25c; 1 lb. 80c; 5 lbs. \$3.50.

## Stock Carrots



Early Snowball

## Cauliflower

One ounce will produce 3,000 plants.

**CULTURE**—For early cauliflower sow seed in hot bed and transplant to cold frame 2 inches each way. Set plants in permanent gardens same as cabbage. To blanch draw leaves about the head; tie with tape.

**EARLY SNOWBALL**—Our strain of Snowball is especially selected for uniformity, early maturity and quality. Pkt. 5c; oz. \$1.25.

**DANISH DRY WEATHER**—This variety is somewhat later than Snowball. Quite resistant to drought. Postpaid 3rd zone. Pkt. 5c; oz. \$1.25; 4 ozs. \$5.00.

# Celery

One ounce will produce 5,000 plants

**GOLDEN SELF-BLANCHING**—A very early variety, requiring little labor to blanch. The plants are stocky, medium in size, with golden heart. Very tender and crisp. Prepaid 3rd zone. Pkt. 5c; oz. 25c; lb. \$3.00.

**WHITE PLUME**—An early main crop variety. The leaves are bright green with light tips, the inner leaves white. Prepaid 3rd zone. Pkt. 5c; oz. 20c; lb. \$2.00.

## Sweet Corn

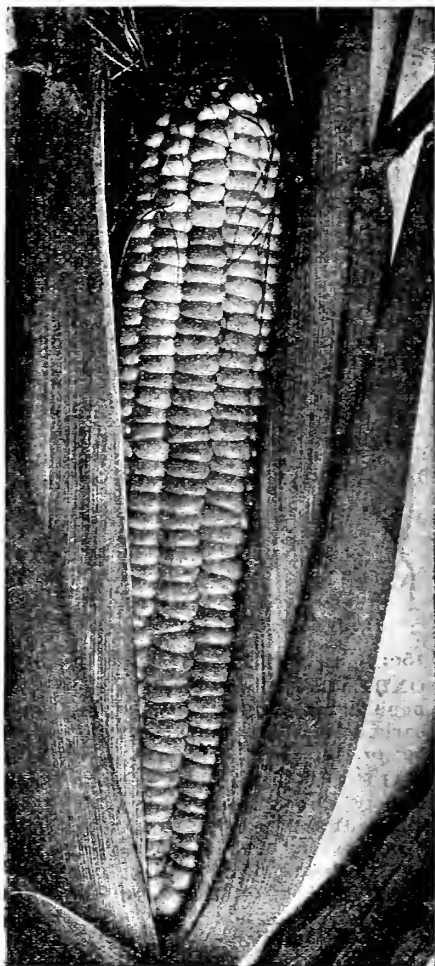
One pound will plant about 100 hills; 8 lbs. per acre.

**CULTURE**—Plant as early as the ground can be worked into good condition, as a slight frost will do but little damage to the plants. The early corn can be forced to supply the early market and by successive planting, produce throughout the latter part of the summer. The seed should be planted in hills 3 feet apart each way, covering just deep enough to insure moisture for germination. Sow several short rows in planting any variety to insure better fertilization and development of ears, rather than a single row across the garden. An early variety planted about every two weeks during the early part of the season will give a long harvest period. In case it is desired to plant the entire crop early, the proper choice of varieties will produce a successive crop.

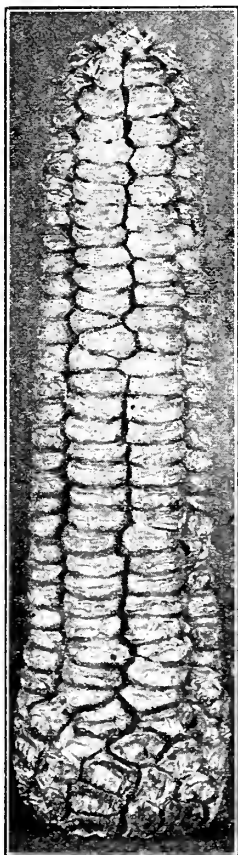
For a succession throughout the season we recommend planting the following varieties all at the same time as soon as the weather will permit: Golden Sunshine, Golden Bantam, and Golden Giant for the yellow varieties; or Peep O'Day, Cory, Early Minnesota, Howling Mob, Country Gentleman and Stowell's Evergreen for the white varieties.

**GOLDEN SUNSHINE**—(60 days). The same flavor and color as Golden Bantam, but 10 days earlier. The ears are also larger, being 12-rowed

instead of 8. Sunshine Corn is ready as early as the early white corns, it is early enough to be off the market before Golden Bantam is ready. Dr. Yeager of the North Dakota Experimental Station developed Golden Sunshine by crossing Golden Bantam with Portland Early Market. We obtained our original seed direct from Dr. Yeager. The plant is dwarf and the ears close to the ground. We have grown a large seed acreage of Golden Sunshine, anticipating a big demand; do not disappoint us by missing this excellent variety. Postpaid. Carton 15c; lb. 35c; 5 lbs. \$1.25.



Golden Sunshine



Golden Bantam

**GOLDEN BANTAM**—By far the most popular variety for home gardeners and commercial use. The stalks are medium tall with ears from six to seven inches long, generally producing eight rows of corn. The corn is a beautiful golden yellow color and is very highly flavored. Postpaid 3rd zone. Carton 15c; lb. 30c; 5 lbs. \$1.00.

**GOLDEN GIANT**—Follows Golden Bantam in harvest. Plants are larger; from ten to twelve rows of kernels. Excellent market variety. Postpaid 3rd zone. Carton 15c; 1 pound 25c; 5 pounds \$1.00.

**PEEP O'DAY**—While this variety of corn is very small in size it is the earliest variety we have found for home use. Several ears are produced on each stalk and the corn is very sweet in flavor. Carton 15c; pound 25c; 5 pounds \$1.00.

**WHITE COB CORY**—Our strain of Cory is only a few days later in harvest than the Peep O'Day and is desired by many because of the larger sized ears. An excellent variety for early market. Carton 15c; pound 25c; 5 pounds \$1.00.

**EARLY MINNESOTA**—One of the old standard varieties for home use. It is slightly earlier than Golden Bantam, producing large white ears. Carton 15c; pound 25c; 5 pounds \$1.00.

## CORN—Continued

**HOWLING MOB**—A big eared, medium early corn with the sweet flavor of the late varieties; usually two pearly white ears to the stalk; the shuck extends well over the tip and protects it from the green worm. Carton 15c; lb. 35c; 5 lbs. \$1.00.

**COUNTRY GENTLEMAN**—This late variety will not mature at higher elevations but can be grown for late market use in irrigated sections at low elevations. The grains are produced in irregular pattern on the cob. Carton 15c; lb. 35c; 5 lbs. \$1.00.

**STOWELL'S EVERGREEN**—This late variety is used for late market. It is often planted for stock feed in the early fall. The stalks are very leafy, medium tall and excellent for stock feed. Carton 15c; lb. 35c; 5 lbs. \$1.00.

**BLACK MEXICAN**—Many market gardeners prefer Black Mexican for market following Golden Bantam. The matured grains are purple in color but are white when the corn is in proper condition for market. Carton 15c; lb. 35c; 5 lbs. \$1.00.

## POP CORN

**GOLDEN SUNBURST**—The latest sensation in popcorn. See page 26.

**TOM THUMB**—Known as Japanese Hulless and Dwarf Baby Rice. (130 days) Tom Thumb is peculiar in form, ears nearly as thick as long. The kernels are similar to the best strains of White Rice, only longer and slimmer and nearly white in color. Its crowning merit lies in its popping quality, fine flavor and absence of hull or shell. The stalks grow about 5 feet high, and bear two or three perfect ears each. Prepaid. 1 lb. 25c; 5 lbs. \$1.00.

**JUMBO OR LARGE WHITE PEARL**—The largest popcorn that grows; much prized by popcorn stands and candied corn makers on account of its immense kernels. Pure white and very early in maturity. Prepaid; 1 lb. 25c; 5 lbs. \$1.00; not prepaid, 100 lbs. \$5.00.

**MONARCH WHITE RICE**—The popular variety for popping. (140 days). Everybody knows this old favorite sort. Three ears on a stalk is not a rare occurrence, maturing its long slender ears in 120 days. The white grains are sharply pointed. Very popular. Postpaid. Carton 15c; lb. 25c; 2 lbs. 45c; 5 lbs. \$1.00. Not P.P. 25 lbs. \$1.50; 100 lbs. \$5.00.

## ENDIVE

One oz. will plant 100 ft. row; 4 pounds per acre.

**CULTURE**—Endive makes a very fine salad, as the leaves are very tender, crisp, with a pleasant flavor. May be used as trimmings for fancy dishes in same manner as lettuce. Plant the seed in the permanent row early in the spring and thin to space the plants about 2 inches in the row. After the plants form a compact leaf growth, pull the outer leaves up around those in the center and tie with cord to assist in bleaching out the inner leaves.

**GREEN CURLED**—The leaves of this variety are deep green in color with white ribs. When the plants are tied into a compact mass, the leaves blanch to a creamy white. Prepaid. Pkt. 5c; 1 oz. 15c; 2 oz. 25c; ½ lb. 90c; 1 lb. \$1.50.



Green Curled

## WATER CRESS

Those who have a stream with running water on their place should not neglect to plant this wholesome and appetizing greens. It is easily grown from seed started in pots. Keep moist by setting into a pan of water. The young seedlings are transplanted into the shallow part of the stream to permit the tips of the leaves to reach the surface. Pkt. 5c; oz. 45c; 4 oz. \$1.35. Postpaid.

## KALE

¼ oz. will plant 100 ft. row; 2 lbs. per acre.

**CULTURE**—Kale may be planted in succession for table use or as green feed for poultry. Drill the seed in a well prepared seed-bed, thinning the plants to 12 inches apart in the row.

**DWARF CURLED**—The most desirable variety for table use, as the leaves are tender and of fine quality. Pkt. 5c; oz. 15c; 3 oz. 40c; lb. \$1.50.

**MAMMOTH**—A rank growing variety producing an abundance of foliage, well suited for summer pasture or winter feed for poultry. Pkt. 5c; oz. 15c; 3 oz. 35c; lb. 75c.

## LEEK

½ oz. will plant 100 ft. row; 4 lbs. per acre.

**CULTURE**—The Leek plant is closely related to onions and should be planted in the same manner. Sow the seed early in the spring on a very fine compact seed-bed, drilling the seed in rows just far enough apart to cultivate easily. Thin the plants to 8 inches in the row.

**AMERICAN FLAG**—A strong growing variety, producing large thick stems which have a sweet flavor. Postpaid. Pkt. 5c; oz. 30c; 2 oz. 50c; ½ lb. \$1.40; 1 lb. \$2.50.

## KOHL RABI

We suggest using Kohl Rabi in place of Turnips where the soil is infected with worms as this turnip-like plant is not damaged to any extent.

**EARLY WHITE VIENNA**—The skin of this variety is light in color and the flesh white. It is very early in maturing and has a fine flavor. Pkt. 10c; oz. 20c; 2 oz. 35c; ½ lb. \$1.25; lb. \$2.00. Postpaid.

**PURPLE VIENNA**—Similar to the White Vienna in maturity, but the skin is of a deep purplish color, the flesh white. Postpaid. Pkt. 5c; oz. 20c; 2 oz. 35c; ½ lb. \$1.25; 1 lb. \$2.00.

## MUSTARD

1 oz. will plant 100 ft. of row; 3 lbs. per acre.

**CULTURE**—Mustard may be sown early and in succession for continuous crop. Sow in rows on a fine but firm seed-bed, thinning the plants to 4 inches in the rows. The tender leaves may be cut from the stalks and by careful harvest will reproduce for later crop. A fine succulent vegetable for greens and salad.

**GIANT SOUTHERN CURLED**—An excellent variety for greens. It makes a rapid growth of tender, spicy leaves, retaining its crispness until nearly matured. Pkt. 5c; oz. 15c; 3 ozs. 30c; lb. \$1.10.

## DILL

**MAMMOTH CURLED**—A small planting of dill can be made in the home garden for use in seasoning pickles. Postpaid. Pkt. 5c; oz. 15c; 2 oz. 25c; 1 lb. \$1.00.

# Lettuce

¼ oz will plant 100 ft. row; 2 to 3 lbs. per acre

In producing head lettuce it should be planted very early in the spring, thinning the plants just as soon as possible so that they will head properly. If the plants are spaced about one foot apart in the row and weather conditions are satisfactory, they will head rapidly. It is advisable to fertilize head lettuce with Vigoro after they have been thinned, to hasten growth. In some localities early fall seeding can be made so that the crop can be harvested in October or early November.

**NEW YORK NO. 12**—Developed from a single plant selection and has been carefully propagated to prevent mixture with other strains. It is a great improvement over the ordinary New York, being earlier, producing large solid heads of the flat type. Oz. 25c; ¼ lb. 60c; 1 lb. \$2.00.

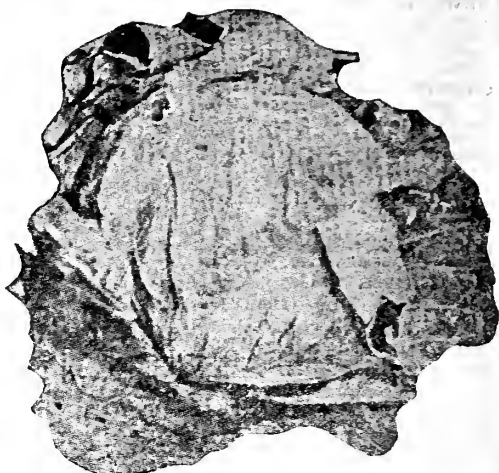
**GRAND RAPIDS**—Market gardeners growing lettuce under glass generally prefer this variety. The leaves are long, golden green in color, very crisp and tender. It can also be grown out-of-doors but is likely to burn if the weather is extremely hot. Pkt. 5c; oz. 20c; ¼ lb. 45c; 1 lb. \$1.25.

**BLACK SEEDED SIMPSON**—A leaf lettuce of early maturity with very crisp light green leaves and black seeds. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.00.

**EARLY CURLED SIMPSON**—This white seeded variety produces very curly light green leaves of fine quality. A favorite for early garden use. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.00.



Prizehead



Improved No. 12 New York Head

**SPECIAL NEW YORK**—We are certain that you cannot find a better stock of lettuce than our Special New York strain. All of our seed has been selected for uniformity of type, quality and yield and comes direct to us from our special grower in sealed bags. Pkt. 5c; oz. 20c; 1 lb. \$1.50.

**PRIZEHEAD**—This lettuce is a better leaf variety than it is for heading. The leaves are of medium green color tinged with brown toward the outer edge. The heads are very loose and open. It is a choice variety for early spring use. Pkt. 5c; oz. 15c; ¼ lb. 40c.

**HANSON HEAD**—We recommend Hanson Head for the home garden as the heads are very select and of fine quality. It is lighter green in color than the New York head but does not stand shipment well. Pkt. 5c; oz. 20c; 3 oz. 50c.

**CHICKEN LETTUCE**—A large rank-growing lettuce developed especially for poultry feed. It can be sown in the garden and cut for poultry use or planted in the poultry yard allowing the poultry to harvest it when ready. Pkt. 5c; oz. 15c; 3 oz. 35c; 1 lb. \$1.00.

**PARIS COS**—A compact headed variety with large oval shaped leaves. This variety is used for salads and has a distinct flavor. Postpaid. Pkt. 5c; oz. 15c; 3 oz. 35c.

**VIGORO WILL MAKE YOUR LETTUCE BETTER**

## EGG PLANT

One ounce will furnish about 2,000 plants

**CULTURE**—Start the plants under glass in hot-bed and transplant to field after all danger of frost is over. Space the plants 24 inches in the row and rows wide enough to cultivate. Fertilize the soil with Vigoro, using about 500 pounds per acre.

**BLACK BEAUTY**—The fruits of this variety are very dark in color and they are earlier than those of the New York Purple. Pkt. 5c; 1 oz. 40c; 3 oz. \$1.00; 1 lb. \$5.00.

**NEW YORK PURPLE**—One of the main market garden varieties with large oval fruits of deep purple color. Pkt. 5c; oz. 40c; 3 oz. \$1.00; 1 lb. \$5.00.



New York Purple

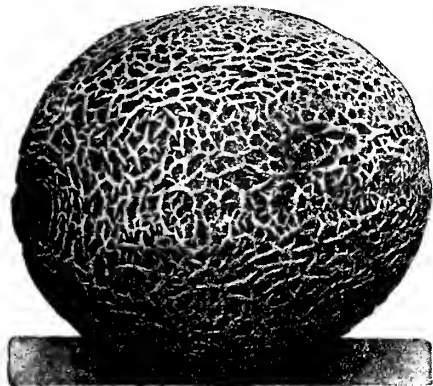
# Muskmelons - Cantaloupes



One ounce will plant about 50 hills; two to three pounds in hill, per acre.

**CULTURE**—Melons thrive best in a light rich soil. Plant in May, when the ground has become warm and dry, hills 5 to 6 feet apart each way for muskmelons, 8 to 10 feet for watermelons. Previous

to sowing the seed, mix a shovelful of well rotted manure in each hill, and plant in each, 12 to 15 seeds. After all danger of bugs is over, thin out to three or four plants per hill. A few hills for early use may be had by sowing on pieces of sod in a hotbed, and when warm enough transplant to open ground.



Hale's Best

**HALE'S BEST**—The earliest maturing of all large melons. The fruits mature to luscious sweetness in 68 days after planting. The melons are oval but inclined to produce some fruits of somewhat more elongated shape. The popularity of Hale's Best is due to its earliness and to the sweet tasty flavor of its beautiful salmon flesh. Pkt. 5c; oz. 15c; 2 oz. 25c; lb. \$1.25; 5 lbs. \$5.00.

**HEARTS OF GOLD**—A delicious melon maturing in mid-season with fine shipping qualities. The fruits are oval with distinct ribs and netting over the surface. The flesh is very thick, of beautiful gold color with a small seed cavity. Pkt. 5c; oz. 20c; 2 oz. 35c; 1 lb. \$1.25; 5 lbs. \$5.50. Postpaid.

**BANANA**—Banana melon receives its name because of its shape tapering toward the end. The skin is lemon yellowish color and the flesh is pink and of delicious flavor. Pkt. 5c; oz. 20c; 2 oz. 35c; 1 lb. \$1.25; 5 lbs. \$5.00. Postpaid.

## PROTECT PLANTS WITH HOTCAPS

New Method of Plant Protection.

Eliminate most of the risk in growing vegetables

They protect your tender plants from frost, wind, rain, hail and insects. Plants grow faster and yield larger crops for early market.

**PRICES**—1000 lots, \$9.75; 5000 lots \$9.25 per 1000; 10,000 lots, \$9.00 per 1000; 250 Trial Package, including Garden Setter with Tamper, \$3.50; 100 Home Package, including Garden Setter with Tamper, \$2.25; Germaco Steel Tamper, 35c; Hotcap Setter, 75c; postage extra.

**Weight**—1,000 package HOTCAPS, 26 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Hotcap Setter, 3 lbs.



## MUSKMELONS - CANTALOUPES—Continued

**ROCKYFORD OR NETTED GEM**—One of the old standard mid-season commercial melons. The fruits are oval-round in shape with distinct netting over the surface. The flesh is green in color and of delicate flavor. Pkt. 5c; oz. 20c; 2 oz. 35c; 1 lb. \$1.25; 5 lbs. \$5.50. Postpaid.

**BURREL'S GEM**—Our Burrel's Gem has been selected for trueness to type and uniformity in size. The melons are oval in shape with thick orange flesh. A fine main crop for commercial planting. Pkt. 5c; oz. 15c; 2 oz. 25c; 1 lb. \$1.00; 5 lbs. \$4.50. Postpaid.

**EXTRA EARLY HACKENSACK**—A green fleshed melon of medium size, used generally in the home garden. The fruits are flattened and distinctively ribbed and of

good quality. Not a good shipping melon. Pkt. 5c; oz. 20c; 2 oz. 35c; 1 lb. \$1.25; 5 lbs. \$5.50. Postpaid.

Other Melons, P. P.	Pkt.	oz.	2 oz.	1 lb.	5 lbs.
Pollock 10-25 .....	.05	.20	.35	1.00	4.75
Improved Yellow .....	.05	.15	.25	.95	4.25
Honey Ball .....	.05	.20	.35	1.00	4.75
Osage or Millers Cream .....	.05	.15	.25	.95	4.25
Golden Beauty .....	.05	.20	.35	1.50	6.25
Honeydew .....	.05	.20	.35	1.50	6.25
Tip-top .....	.05	.20	.35	1.50	6.25

### NO. 42 MUSKMELON COLLECTION

Collection contains 1 oz. Hale's Best; 1 oz. Rockyford or Netted Gem and 1 oz. of Banana. Value 55c.

POSTPAID 45c

## Duthie's Watermelons

1 oz. will plant 50 hills; 3 to 4 pounds per acre.

**KLECKLEY SWEETS**—One of the best commercial melons because of its shipping qualities and yield. The melons are oblong in shape with uniform dark green skin and dark red meat. Pkt. 5c; oz. 15c; 2 oz. 25c; 1 lb. \$1.00; 5 lbs. \$4.50. Postpaid.

**KLONDIKE**—This melon is used by many home gardeners and as a commercial melon. It has a very firm flesh of high quality and stands shipment well. Pkt. 5c; oz. 15c; 2 oz. 25c; 1 lb. \$1.00; 5 lbs. \$4.50. Postpaid.

**STONE MOUNTAIN**—We are offering this splendid new variety this year for the first time. It is a wonderful new melon, rather oblong in shape, light gray in color, with delicate white seeds. It has only about half as many seeds as other varieties. Its growth in popularity has been phenomenal. You should plant some of these. They are simply delicious. Pkt. 5c; oz. 20c; 2 oz. 35c; 1 lb. \$1.50; 5 lbs. \$7.00. Postpaid.

**KING AND QUEEN (Black Seeded Ice Cream)**—This melon is generally planted for late summer use and will keep well until late fall if stored in a cool dry place. The melons are oval in shape with light yellowish green skin, brilliant red flesh and dark seeds. Pkt. 5c; oz. 15c; 2 oz. 25c; 1 lb. \$1.00; 5 lbs. \$4.50. Postpaid.

**BLACK SEEDED CHILIAN**—We consider this variety one of the best for the home garden as it is medium in size, round with



deep green-colored skin striped with lighter green and bright red flesh. A very sweet juicy melon. Pkt. 5c; oz. 15c; 2 oz. 25c; 1 lb. \$1.00; 5 lbs. \$4.50. Postpaid.

**TOM WATSON**—A standard cylindrical melon of large size and fine shipping quality. Pkt. 5c; oz. 15c; 2 oz. 25c; 1 lb. \$1.00; 5 lbs. \$4.50. Postpaid.

**COLE'S EARLY**—A small round melon which will ripen where the season is very short. Pkt. 5c; oz. 15c; 2 oz. 25c; 1 lb. \$1.00; 5 lbs. \$4.50. Postpaid.

### OTHER GOOD WATERMELONS, Postpaid

	Pkt.	oz.	2 oz.	1 lb.	5 lbs.
Ice Cream or Peerless .....	.05	.15	.25	1.00	4.50
Golden Honey .....	.05	.15	.25	1.00	4.50
Halbert Honey .....	.05	.15	.25	1.00	4.50
Pbinney's Early .....	.05	.15	.25	1.00	4.50
Angelino .....	.05	.20	.35	1.25	5.50
Hungarian Honey .....	.05	.15	.25	1.00	4.50

## Okra

2 ounces for 100 foot row.

Okra is a fine vegetable for use in soups and as a green vegetable. Should be planted after frost is over, thinning the plants early. The pods should be harvested before they become fibrous and woody.

**WHITE VELVET**—A taller variety maturing early. The pods are somewhat white in color and are

long, smooth and tender. Pkt. 5c; oz. 15c; 2 oz. 25c; lb. \$1.00. Postpaid.

**DWARF GREEN**—A very compact growing, heavily branched variety, producing a mass of pods. It is very early in maturity and the pods are of fine quality. Pkt. 5c; oz. 15c; 2 oz. 25c; 1 lb. \$1.00. Postpaid.

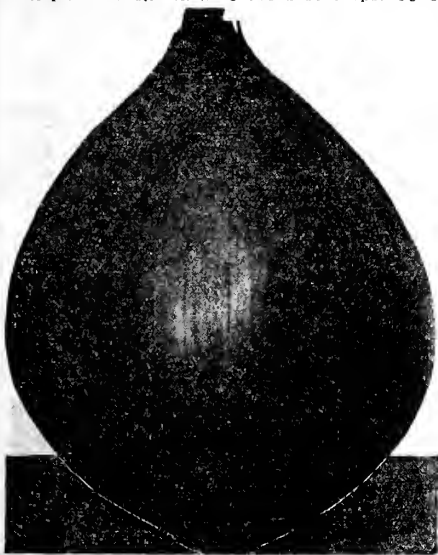
## Onions

One ounce of seed for 200 ft. of drill; 4 to 5 lbs. per acre.

Onions are highly prized for their tonic qualities, and doctors everywhere are advocating the use of them in the diet.

A good, well-drained soil reasonably fertile and well pulverized, will give the best crops. Cover the

seed lightly and thin the seedlings when they are 3 inches tall, so that they will have room to develop freely. When the bulbs have reached maturity, bend down the tops to hasten ripening before the Onions are harvested.



Prizetaker

makes it a splendid sort to use in salads or other ways without cooking. Pkt. 5c; oz. 25c; 3 oz. 60c; 1 lb. \$2.50.

**AUSTRALIAN BROWN**—Remarkable for its uniform size and keeping quality. (95 days). The handsome onions are extremely hardy, yielding an enormous crop. The skin is thick and of a beautiful rich brownish color. The flesh is white, extremely solid, sweet and mild in flavor. A desirable onion for the home garden as well as for market. Matures in 95 days. Pkt. 5c; oz. 20c; lb. \$2.00; 5 lbs. \$9.75.

**CRYSTAL WHITE WAX**—Is one of the Bermuda Onion class and is the most attractive onion of all. Crystal Wax is usually grown from plants and then matures for a Summer salad onion when it commands a good market price. Crystal Wax must be cured in the shade or they will sunburn and spoil very quickly. We have them in plants also. Tenderly grown seed, Pkt. 10c; oz. 40c; ¼ lb. \$1.15; lb. \$2.50. Postpaid. Not Postpaid. 5 lbs. \$12.00.

**WHITE PORTUGAL OR AMERICAN SILVERSKIN**—This is a medium sized onion of mild flavor and with beautiful, clear white skin. The variety is a favorite with many for use when young as a salad or bunching onion and for pickles. It usually matures about ten days earlier than White Globe and is fine for fall and early winter use. It is an excellent medium early sort for gardeners who do not care to plant more than one variety. The bulbs are nearly round when of bunching size, somewhat flattened when mature. This is the best flattened white onion for northern latitudes. Postpaid. Pkt. 5c; oz. 20c; ¼ lb. 65c; lb. \$2.00; 5 lbs. \$8.00.

**PRIZETAKER**—A very handsome late or main crop onion of the largest size and nearly globular in form, usually with shoulder and base slightly sloping. The skin is yellowish brown or light yellow with slight tinge of brown. The flesh is creamy white, very mild, tender and of excellent flavor. The variety keeps well if thoroughly ripened and is very desirable for shipping for fall and early winter use. Pkt. 5c; oz. 20c; ¼ lb. 65c; lb. \$2.00; 3 lbs. \$5.25.

**LARGE SWEET SPANISH**—The sweetest, largest, yellow globe shaped onion grown. (110 days). This grand large onion is one of the best all-round sorts. It is a world-beater for size, sweetness and shipping qualities. The pure white flesh is fine grained and exceptionally sweet. Its sweetness

Make the  
**GARDEN**  
Pay



### FREE WITH YOUR SEED ORDER

Valuable 80 page booklet containing information on planting and care of vegetables, disease, insect control, fertilizing, thinning out plants, storing vegetables and much other valuable information. Free with \$2.50 Garden or combination Garden and Flower seed order.

## ONIONS—Continued



Yellow Globe Danvers

**YELLOW GLOBE DANVERS**—The old reliable Yellow Globe Onion. (110 days). One of the most extensively used main crop yellow onions for the home garden and market. The bulbs are of medium to large size, uniformly globe shaped, with small neck, and ripen very evenly. The skin is rich coppery yellow. The flesh is creamy white, crisp and of mild and excellent flavor. The variety keeps very well and is excellent for shipping. We have by careful selection and breeding developed a strain which has the ripening habit and small neck of the original Danvers and yet is more globular, thus giving larger yields and handsomer bulbs without sacrificing any of the good qualities of the original Danvers. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.75; 3 lbs. \$4.50.

### OTHER VARIETIES

	Pkt.	oz.	3 oz.	lb.
Red Wethersfield .....	5c	15c	40c	\$2.00
Southport White Globe .....	5c	25c	60c	\$3.00
Southport Yellow Globe .....	5c	20c	50c	\$2.50
Yellow Flat Danvers .....	5c	15c	40c	\$2.00

## ONION PLANTS

Onion plants produce the fine, sweet salad Onions for summer use. These Onions are grown from plants much earlier than they could be grown from seed.

The Onion plant is a small green Onion with the root on, well started, and grown from the finest varieties of Onion seed.

The live, green, well rooted, vigorous Onion plants are ready to go to work as soon as they are set in the field or garden.

These exceptionally hardy plants are grown outdoors without any protection. The seed is sown in the early Fall and while some winter-kill, the plants which survive are really hardy and will grow in spite of adverse weather. These plants are pulled and shipped to you fresh from the field. They are grown for us from our selected seed.

About 90,000 plants are required to set an acre. A good yield is 6 sacks of Onions per 1000 plants. Onion plants are very hardy and can be set out as soon as the ground can be worked in the spring. This will give you fine quality Onions for the early market or table. Onion plants are not easily perishable if kept dry and not allowed to heat.

**CRYSTAL WAX**—The most popular variety of Onions grown from plants. Skin pure white and very thin. Flesh very mild and sweet. Brings a premium on the market. Prepaid 3rd zone. 30c per 100; \$1.00 per 500; \$1.80 per 1000; \$6.00 crate of 6000; quantities of 18,000 plants or over, 90c per 1000.

**YELLOW STRASSBURG**—We have found this variety produces the best quality of sets as the Onions are firm and uniform in size and free of dry wrinkled tops. These sets will develop into good Onions for summer use if the seed stalks are pinched out while young.



Young Bermuda Plants

## ONION SETS

**WHITE PORTUGAL**—Our white onion sets are of small size and of very best quality.

All Onion Sets, postpaid 3rd zone. 1 lb. 25c; 2 lbs. 35c; 5 lbs. 80c; 10 lbs. \$1.50.

If you do not specify a certain variety we will fill your order with Yellow Strassburg sets.

## Peppers

One ounce will produce about 1,500 plants

**CULTURE**—Pepper plants should be started in the hotbed or cold frame in early May, so as to be ready for transplanting by the time killing frost is over. Set out in clean soil, well fertilized, spacing the plants about 2 ft. apart in the row.

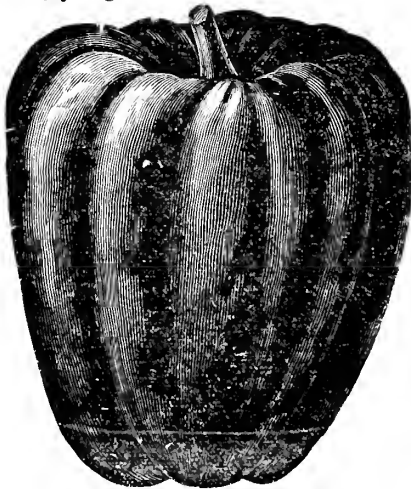
**LONG BELL or BULL NOSE**—The fruits of this pepper are large, crimson in color and very mild in flavor. They mature early and are in demand for market use. Pkt. 5c; oz. 50c.

**PIMIENTO**—A thick fleshed, heart shaped pepper of mild flavor. The fruits are long and slender and are much used for salads. This variety is rather late in maturity. Postpaid. Pkt. 5c; oz. 50c;  $\frac{1}{4}$  lb. \$1.50; lb. \$5.00.

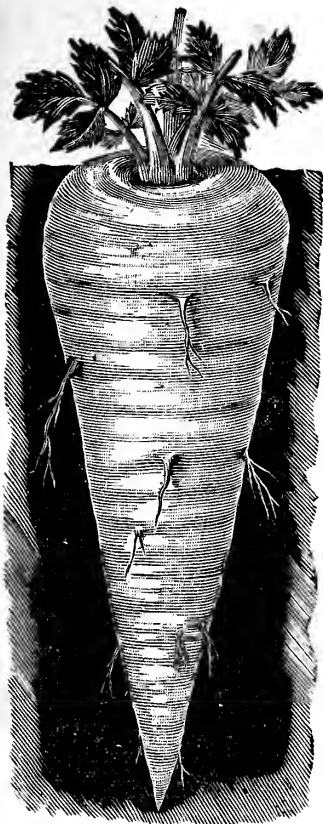
**CHINESE GIANT**—One of the largest varieties of peppers. The fruits are thick, bulky, and of large dimension and medium early in maturity. Postpaid. Pkt. 5c; oz. 65c;  $\frac{1}{4}$  lb. \$1.90; lb. \$6.75.

**RUBY KING**—A very satisfactory variety for home and market gardeners. The plants are early, dwarfed in habits of growth, the fruits large with thick flesh, very sweet and mild and of bright red color. Pkt. 5c; oz. 45c;  $\frac{1}{4}$  lb. \$1.40; lb. \$4.90.

**LONG RED CAYENNE**—A hot, spicy pepper producing long, slender fruits which are twisted at the end. Medium late in maturity. Pkt. 5c; oz. 60c;  $\frac{1}{4}$  lb. \$2.00; lb. \$7.00.



Ruby King Pepper



**Hollow Crown Parsnip**

**LAXTONIAN** — Our stock produces very large pods curved at the end, averaging  $3\frac{1}{2}$  to  $4\frac{1}{2}$  inches in length. The plants are 15 to 17 in. tall, producing 4 or 5 pods each. One of the finest market garden varieties because of earliness and size of pods. Postpaid. Carton 15c; 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.25.

**AMERICAN WONDER** — The standard dwarf early variety for the home garden. The plants are bushy, producing a large number of pods, which are straight and blunt and well filled. Several pickings can be made in the home garden and the quality is excellent. Postpaid. Carton 15c; 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.25.

**PREMIUM GEM**—When sown at the same time as American Wonder the crop blooms about five days later but is not ready for use until about ten days after the American Wonder is ready for picking.

## Parsnips

One ounce for 200 feet of row.

These are of easiest culture and require a full season to come to maturity. The seed of the long varieties should be sown early in the spring up to May 15. The roots may be left outdoors all winter long.

**LONG SMOOTH HOLLOW CROWN**—This variety makes long roots and should therefore be grown in deeply prepared soil. In deeply worked soil the roots will grow to perfection. Fully developed they measure 15 inches in length and 3 inches in diameter at the shoulder. This variety is highly recommended for winter use. It is used not only for the table but also for livestock, which eats the roots readily. Postpaid. Pkt. 5c; oz. 20c; 4 oz. 40c;  $\frac{1}{2}$  lb. 60c; lb. 95c; 2 lbs. \$1.65; 5 lbs. \$3.80.

## Parsley

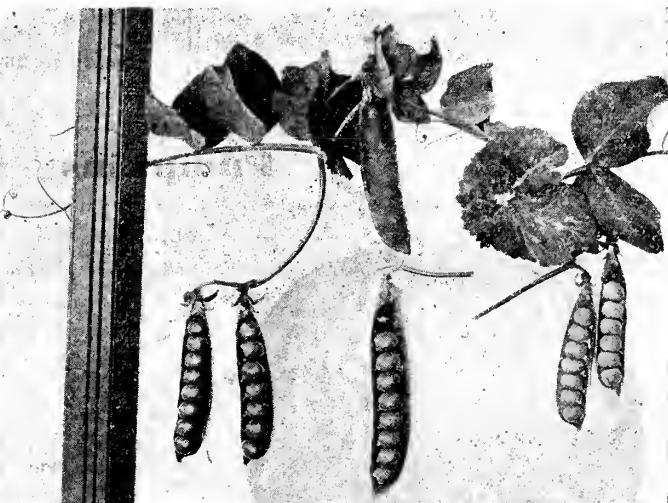
**MOSS CURLED**—A compact growing sort with leaves of dark green color, very finely cut and closely curled. Pkt. 5c; oz. 15c; 2 oz. 25c; 1 lb. \$1.00. Postpaid.

## Garden Peas

One pound will plant about fifty feet of row.

**CULTURE**—Peas of the extra early smooth class are the very first thing to be planted in the garden in spring. The wrinkled sorts follow a little later, as they are not quite so hardy. Tall, late varieties need brush or other support. By selecting sorts that do not grow much over two feet high, the necessity of providing brush may be avoided. Judicious selection of varieties and planting frequently for succession will give a full supply of the choicest green peas almost during the entire season, with the possible exception of the hottest part of the summer. Open furrows three or four inches deep and three feet apart; scatter the seed peas into them and cover with hoe. Cultivate like corn or beans. The late tall sorts may be planted in double rows placing brush between for support.

**DUKE'S DELIGHT (Little Marvel)**—We offer this pea for your approval, as it is one of the finest early varieties we have grown. The plants are from 15 to 18 inches tall, the crop developing with American Wonder, but requiring a longer period to reach full maturity. The pods are straight, large and blunt, varying from 3 to  $3\frac{1}{2}$  inches in length, from 7 to 9 seeds per pod. A fine variety for market and home use. We have grown Duke's Delight together with Little Marvel and find the two stocks identical in characteristics. Postpaid. Carton 15c; 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.25.



**Duke's Delight**

**Laxtonian**

**American Wonder**

Plants are from 25 to 30 inches tall, producing a medium sized pod with fine quality peas. Postpaid. Carton 15c; 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.25.

## GARDEN PEAS—Continued

**ALASKA** or Earliest of All—A very hardy variety for early planting. The seeds are small and of finest quality for canning and the entire crop is ready for harvest at the same time. Plants 2 feet in height. Postpaid. Carton 15c; 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.25.

**GRADUS**—A second early variety growing to a height of 30 inches. The pods are large like the Laxtonian and the seeds very sweet and tender. A favorite for market purposes as well as the home garden. Postpaid. Carton 15c; 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.25.

**BLUE BANTAM**—The best first-early Dwarf Wrinkled Pea. Blue Bantam is unequalled in many ways. It is positively the sweetest and most delicious Pea in existence. In extreme earliness combined with unusual productiveness it takes its place way above all other varieties. The dwarf, vigorous vines average 15 inches in height. They carry an enormous crop of large, deep-green pods. The individual pods measure  $3\frac{1}{2}$  to 4 inches in length and are tightly packed with 8 to 10 large, deep bluish green Peas. The Peas are outstandingly sweet and most delectable. Wrinkled seed. Postpaid. Carton 15c; 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.25.

**ALDERMAN**—A superb and productive variety of the Telephone type but with pods and peas of a still deeper green color. Grows 4 feet tall, bearing dark green, pointed, slightly curved pods  $4\frac{1}{4}$  inches long, containing nine peas each. Postpaid. Carton 15c; 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.25.

**TALL TELEPHONE**—A tall variety maturing with the Dwarf, with very large pods. It should be trained on stakes for best results. Postpaid Carton 15c; 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.25.



GARDEN SIZE FOR  
PEAS 25c

**DWARF TELEPHONE**—One of the best late varieties because of its dwarf habits of growth and large pods. Postpaid. Carton 15c; 1 lb. 30c; 5 lbs. \$1.25; 10 lbs. \$2.25.

**STRATAGEM**—A late variety desired by market growers, growing to a height of 2 feet, with large curved pods and dark green foliage. Postpaid. Carton 15c; 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.25.



Alaska or Earliest of All

### COLLECTION OF PEAS

Duke's Delight, Blue Bantam, and Alderman.

Good assortment for any garden

No. 50—1 Carton each variety. Value 45c  
Postpaid 40c

No. 52—1 lb. of each variety. Value \$1.05  
Postpaid 90c

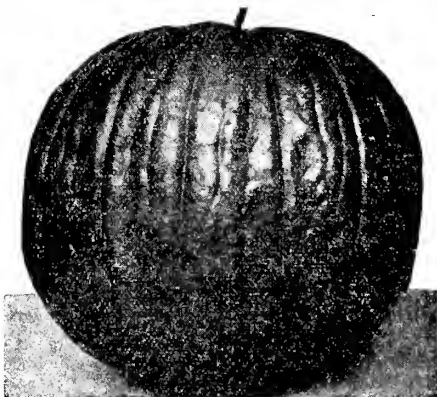
Other Varieties of Peas Carton lb. 5 lb. 10 lb.

Edible Pod Sugar .....	.15	.30	1.25	2.25
Everbearing .....	.15	.35	1.35	2.40
Claudit .....	.15	.30	1.25	2.25

See Page 26 for New Giant Wonder Pea

## Pumpkins

One-half ounce will plant 100 ft. of row; three to four lbs. per acre.



Sugar or Pie Pumpkin

**CULTURE**—Pumpkins should not be planted until danger of frost is over. They may be planted alone in hills or hills scattered through corn fields where the stand of corn is somewhat uneven. A few seeds sown in each hill will produce sufficient vines for a heavy yield. If planted alone, the hills should be spaced 4 to 6 ft each direction.

A few pumpkins grown for winter use will serve for pies and the smaller ones will make fine jack-o'-lanterns for the kiddies during the fall months. Field pumpkins are ideal feed for livestock.

**SUGAR OR PIE**—An early maturing variety with medium sized fruits slightly flattened at the ends and of golden color. The flesh is thick and of excellent quality for canning. Postpaid. Pkt. 5c; oz. 15c; 2 oz. 25c; lb. \$1.00; 5 lbs. \$4.50.

**CONNECTICUT FIELD**—This pumpkin is used principally for stock feed because of its large size. The fruit is longer and larger than the Sugar Pumpkin and the flesh is of somewhat coarser texture. Postpaid. Pkt. 5c; oz. 15c; 2 oz. 25c; 1 lb. \$1.00; 5 lbs. \$4.50.

**TENNESSEE SWEET POTATO**—This is a bell shaped pumpkin with yellowish green skin. It is early in maturity and of excellent quality for table use. Postpaid. Pkt. 5c; oz. 15c; 2 oz. 25c; lb. \$1.00; 5 lbs. \$4.50.

# Mountain Grown Seed Potatoes



At left a hill of run out potatoes, at right a hill of **Tuber Indexed Potatoes**.

"Running-out" of seed potatoes is due to disease transmitted through the seed from year to year, getting worse each year until the crop is an entire failure.

Our **TUBER INDEXED SEED POTATOES** have again proven to be the very finest foundation stock.

Only high yielding hills and selected tubers are used in production of this Supreme Quality seed stock.

Get a start of these fine seed potatoes. We can furnish **TUBER INDEXED** seed of the following varieties; Early Ohio, Irish Cobbler, Idaho Rural and Netted Gem. Postpaid 3rd zone. 10 lbs. \$1.50.

## STATE CERTIFIED SEED POTATOES—

Postpaid 3rd zone. 10 lbs. 75c.

Freight or Express not Prepaid

	25 lb.	50 lb.	100 lb.
Early Ohio .....	65c	\$1.10	\$1.75
Irish Cobbler .....	65c	1.10	1.75
Idaho Rural .....	55c	1.00	1.50
Netted Gem .....	50c	1.00	1.35

Ton or Carlot prices quoted on request



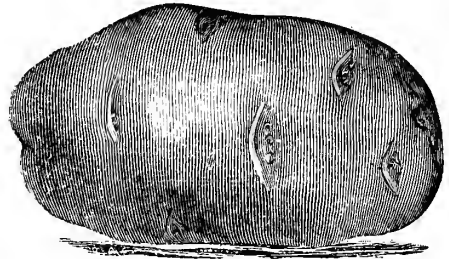
Irish Cobbler

## "SELECTED STOCK" Seed Potatoes—

Our "selected stock" seed potatoes are field rogued and for commercial planting are practically as good as State Certified seed, but on account of less expense in handling can be sold at a lower price.

Prices Not Prepaid	50 lbs.	100 lbs.
Early Ohio .....	\$1.00	\$1.50
Irish Cobbler .....	1.00	1.50
Bliss Triumph .....	.90	1.25
Early Rose .....	1.10	1.75
Idaho Rural .....	.90	1.25
Netted Gem .....	.90	1.25

Write for special quotations on larger quantity



Early Ohio

**EARLY WHITE WONDER, Earliest Potato Ever Produced**—We are offering a limited quantity of the Early White Wonder Potato. This is truly a wonderful new potato earlier than the Irish Cobbler and at the same time a heavy yielder.

No more cull Potatoes when you grow **Early White Wonder**. They yield as much as three hundred bushels per acre without irrigation. They are an ideal dry land Potato. Postpaid, 10 lbs. Selected Early White Wonder Seed Potatoes. \$1.00. Not Postpaid, 100 lbs. \$3.00.

## SPECIAL HOME GARDEN COLLECTION

We offer as a special home garden collection of selected stock:

10 lbs. Early Ohio .....	\$ .30
10 lbs. Irish Cobbler .....	.30
10 lbs. Idaho Rural .....	.30
10 lbs. Netted Gem .....	.30
12 Tubers Early White Wonder .....	.30

\$1.50

All for \$1.40. Not Prepaid

**Treat Your Seed Potatoes with Improved Semesan Bel for Best Results**

All Potato prices are subject to change without notice

## SALSIFY—Oyster Plant

This plant is grown largely for fall and winter use and is highly esteemed for the fine flavor of the roots. The popular name, Oyster Plant, has been given to Salsify because the roots have an oyster-like flavor.

**SANDWICH ISLAND MAMMOTH**—The roots, notwithstanding their extra-large size, are of excellent quality and delicate in flavor. It is a great improvement on the ordinary type, producing shorter and better shaped roots with almost white flesh and of fine flavor. Easily stored for winter. Postpaid. Pkt. 5c; oz. 25c; ¼ lb. 75c; ½ lb. \$1.30; lb. \$2.10.

## RHUBARB

One ounce will produce about 700 plants

**CULTURE**—Plant the seed in rows at least one foot apart and thin the plants to about 5 inches in the row. As the stronger plants develop, thin out the weak ones and cultivate throughout the season. In the spring of the second year, transplant to a well manured plot, spacing the plants about 4 feet each way. Give plenty of cultivation, water and fertilizer for a rapidly grown crop.

**VICTORIA**—A large stalk variety which grows rapidly and is very succulent and free from fibre. Postpaid. Pkt. 5c; oz. 20c; 3 oz. 50c; lb. \$1.90.

## RUTABAGAS

½ oz. will plant 100 ft. row; 3 lbs. per acre.

**CULTURE**—Rutabagas, like turnips, may be sown in early spring for summer use or in late summer for fall and winter. For early crop, sow in rows and thin to 4 or 5 inches. The fall crop may be sown broadcast on clean ground, after early crops have been harvested. Our stock of Rutabagas is foreign grown and of highest quality.

**AMERICAN PURPLE TOP OR YELLOW SWEDE**—The most popular and generally grown varieties with yellowish skin distinctly colored purple at the top. The flesh is very white and of mild flavor. Postpaid. Pkt. 5c; oz. 15c; 2 oz. 25c; ½ lb. 45c; lb. 75c.

**BANGHOLM**—Preferred by many as the neck is slender and tapers toward the roots, making it more easily cut off at harvest. Postpaid. Pkt. 5c; oz. 15c; 2 oz. 25c; ½ lb. 45c; lb. 75c.

## Squash

One-half ounce will plant 100 feet of row; 2 to 3 lbs. per acre.

**CULTURE**—Plant in well-manured hills, the bush varieties four feet apart each way, the winter sorts ten to twelve feet each way. Use seed freely, 8 to 12 seeds to the hill, to provide for losses by insects. When danger of such loss is past, thin to two or four plants to the hill. To repel the squash vine borer, throw a handful of tobacco dust close around the plants. For yellow-striped beetle and blight, spray early and repeatedly with Bordo Arsenate.

### SUMMER VARIETIES

**WHITE BUSH SCALLOP**—More summer squash should be grown as they supply the green vegetables during the season when much of the garden has passed its prime. The fruit of this squash is scallop-shaped, white in color and of high flavor. Postpaid. Pkt. 5c; oz. 20c; 2 oz. 35c; lb. \$1.50.

**YELLOW BUSH SCALLOP**—These squashes are of golden yellow color and of similar shape to the white Bush. They have a distinct flavor and are excellent for table use during the early summer. Postpaid. Pkt. 5c; oz. 20c; 2 oz. 35c; lb. \$1.50.

**YELLOW SUMMER CROCKNECK**—The fruits of this variety are elongated and somewhat warted and crooked toward the point of attachment. They should be used before they attain maximum growth. Postpaid. Pkt. 5c; oz. 20c; 2 oz. 35c; lb. \$1.50.

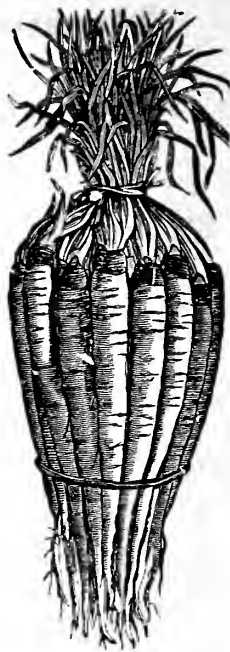
### FALL and WINTER VARIETIES

**DELICIOUS**—A medium sized variety with dark green skin. The fruits are top shaped. A good keeper. Postpaid. Pkt. 5c; oz. 20c; 2 oz. 35c; lb. \$1.50.

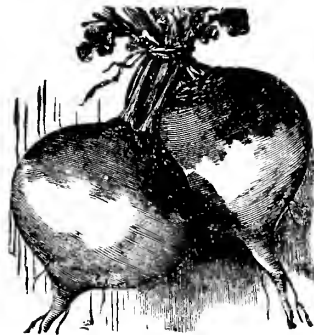
**GOLDEN HUBBARD**—An old variety similar in shape and quality to the Green Hubbard. The skin is golden yellow in color. Postpaid. Pkt. 5c; oz. 15c; 2 oz. 25c; ½ lb. 75c; lb. \$1.25.

**PIKES' PEAK OR SIBLEY**—The fruits of this variety are rounded, tapering toward the ends, and grayish green colored skin. An excellent keeping variety for home use. Postpaid. Pkt. 5c; oz. 15c; 2 oz. 25c; lb. \$1.25.

**MAMMOTH CHILI**—Grows to an enormous size, often weighing over 200 pounds. Flesh thick, and fine quality. Its size makes it valuable for stock



Salsify



American Purple Top

feeding. Postpaid. Pkt. 5c; oz. 15c; 2 oz. 25c; lb. \$1.25.

**TABLE QUEEN**—We recommend this variety for the home gardener who desires a small squash for winter use. It is especially desirable for use by small families as the squash can be utilized more efficiently than the larger varieties. The fruits are acorn shaped, dark green in color and distinctly ribbed, yellow flesh. They keep just as well as the Hubbard Squash and have a better flavor. Postpaid. Pkt. 5c; oz. 20c; 2 oz. 35c; lb. \$1.50.

**BANANA**—The skin of this squash is grayish green in color and the fruits long and tapering toward the ends. The rind is not so hard as in the Hubbard. A good keeper. Postpaid. Pkt. 5c; oz. 20c; 2 oz. 35c; ½ lb. 75c; lb. \$1.50.

**GREEN HUBBARD**—An old favorite winter variety. These squashes are slightly warted, dark green in color with a thick heavy rind. Postpaid. Pkt. 5c; oz. 15c; 2 oz. 25c; lb. \$1.25.

**MARBLEHEAD**—Matures at the same time as the Green Hubbard. Skin is light green in color. This variety is grown commercially in many irrigated sections. Postpaid. Pkt. 5c; oz. 20c; 2 oz. 35c; lb. \$1.50.



Green Hubbard

# Spinach

One ounce will plant 100 ft. of row; 8 to 10 lbs. per acre

**CULTURE**—For spring and summer use, sow in drills one foot apart and one inch deep, as early as the ground can be worked, and every two weeks for a succession. For winter and early spring use, sow in September in well manured ground; cover

with straw on the approach of severe cold weather. The ground cannot be too rich. The stronger the ground the more delicate and succulent will be the leaves. Light applications of sulphate of ammonia have often a magic effect on spinach.

**BLOOMSDALE SAVOY**—This spinach produces large, thick, deeply wrinkled dark green leaves. Used principally for early spring planting. Postpaid. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 35c; 1 lb. 50c; 5 lbs. \$2.00.

**LONG STANDING**—This variety does not go to seed as rapidly as other spinach. While the leaves are smaller than those of the Bloomsdale, it is desirable for late spring planting. Postpaid. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. 50c; 5 lbs. \$2.00.

**IMPROVED THICK LEAVED**—A variety preferred by market gardeners for fall seeding and is equally satisfactory for spring planting. Leaves are bright green in color, somewhat round and of choice quality. Postpaid. Pkt. 5c; oz. 15c; 4 oz. 30c; 1 lb. 45c; 5 lbs. \$1.70.

**VIROFLAY**—A variety suitable for spring or fall planting. The leaves are very large and arrow shaped. Desirable for canning because of its clean upright leaves. Postpaid. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. 50c; 5 lbs. \$2.00.



Improved Thick Leaved Spinach

**KING OF DENMARK**—This spinach is a rank grower with deep wrinkled dark green leaves. It appears quite resistant to extreme hot weather conditions. Postpaid. Pkt. 5c; oz. 15c; ½ lb. 35c; 1 lb. 60c; 2 lbs. \$1.00; 5 lbs. \$2.25.

# Radishes

One ounce will plant 100 feet of row; ten lbs. per acre.

**CULTURE**—Sow early and often. In good, warm loam, especially if quite sandy, summer radishes will make a crop in four to six weeks from sowing. The soil should be well prepared and fertilizers

may be used freely. Have the rows a foot apart, and sow just enough so that they will not require thinning. The short turnip-rooted sorts are quickest and easiest to grow and also good for forcing.



Early Scarlet Globe

**EARLY SCARLET WHITE TIP**—One of the favorite varieties for the home gardener because of its crisp quality and early maturity. A turnip shaped radish with scarlet top and white tip. Postpaid. Pkt. 5c; oz. 15c; ½ lb. 55c; 1 lb. 90c.

**WHITE ICICLE**—A standard variety for market and home use because of its attractive appearance and uniform shape. Retains its quality if planted early in the season. Postpaid. Pkt. 5c; oz. 15c; ¼ lb. 30c; ½ lb. 55c; 1 lb. 90c.

**LONG SCARLET**—A scarlet variety similar in shape to the Icicle but growing a more slender root. Postpaid. Pkt. 5c; oz. 15c; ¼ lb. 30c; ½ lb. 55c; 1 lb. 90c.

**SCARLET GLOBE**—One of the earliest varieties, having a globe-shaped root, very crisp and tender. Postpaid. Pkt. 5c; oz. 15c; ¼ lb. 30c; ½ lb. 55c; 1 lb. 90c.

**CRIMSON GIANT**—A most remarkable new Radish for both the home garden and market sale. The roots, even though they grow to the enormous size of 1½ inches in diameter, are as crisp as ice if grown quickly. The skin is bright scarlet-red and the flesh is pure white. The ample and large foliage is a bright healthy green. Postpaid. Pkt. 5c; oz. 15c; ¼ lb. 30c; ½ lb. 55c; 1 lb. 90c.

**EARLY SCARLET OLIVE**—This early radish has an olive shape, a bright scarlet color and white flesh. Postpaid. Pkt. 5c; oz. 15c; ¼ lb. 30c; ½ lb. 55c; 1 lb. 90c.

**FRENCH BREAKFAST**—One of the old standard varieties, rather oblong in shape and suitable for early use. Postpaid. Pkt. 5c; oz. 15c; ¼ lb. 30c; ½ lb. 55c; 1 lb. 90c.

## SPECIAL RADISH COLLECTION

6 Pkts. Value 30c, for .....	.25
4 Oz. Value 60c, for .....	.50
4 ½-lb. Pkgs. Value \$2.20, for .....	1.90

## RADISHES—Continued

### WINTER RADISHES

These require cool weather at the finish of their growing season, though they may be started during hot weather. Make your first planting the middle of June, a second the middle of July and a third the middle of August. Sow thinly in rows not less than 15 inches apart; thin out to stand 6 inches apart. Easily stored for winter use. One ounce for 100 feet of row.

**WHITE CHINESE** or **Celestial**—An out-

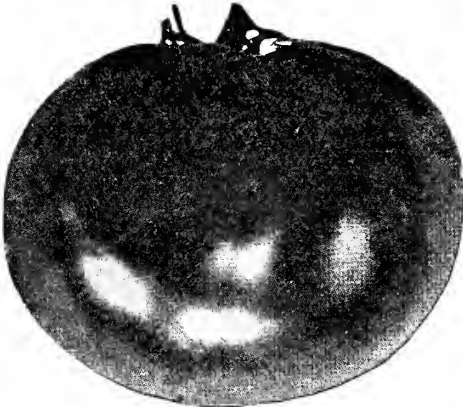
standing variety, growing to enormous size. The white roots are cylindrical and grow 12 to 15 inches long, with a diameter of 5 inches. The flesh is crisp, juicy, and tender. Agreeably mild in flavor. A widely grown variety. Very productive. Postpaid, Pkt. 5c; oz. 20c; 4 oz. 40c; ½ lb. 60c; lb. 95c; 2 lbs. \$1.65; 5 lbs. \$3.80; 10 lbs. \$6.65.

## Tomatoes

One ounce will produce 2,000 plants

**CULTURE**—Tomatoes may be started in hotbed or under glass to be ready for transplanting as soon as frost danger is over. Set out on land thoroughly prepared and free of weeds, spacing

the plants 3 to 4 feet apart in the row. Often the seed may be planted in hills and a single plant allowed to grow, planting in the permanent bed where the crop is to be grown.



Earliana Tomato

**JOHN BAER**—Our stock of John Baer has been used by many gardeners and has given excellent results. It is an early variety with very solid flesh and a bright red color. Postpaid, Pkt. 5c; oz. 35c; 4 oz. \$1.00; ½ lb. \$1.85; lb. \$3.50.

**ACME**—A well known variety, medium early in maturity. The fruits are round, smooth, and purplish pink in color. Postpaid, Pkt. 5c; oz. 30c; 4 oz. 90c; ½ lb. \$1.50; lb. \$2.90.

**BONNY BEST**—For the home garden we recommend this variety because it is early and the fruits are medium in size, very firm, with a small seed cavity. Postpaid, Pkt. 5c; oz. 35c; 4 oz. \$1.00; ½ lb. \$1.85; lb. \$3.50.

**YELLOW PEAR**—For preserving and pickling this tomato is excellent. The fruits grow in clusters and are small in size, of bright yellow color and pear shape. Postpaid, Pkt. 5c; oz. 50c; 4 oz. \$1.90; ½ lb. \$3.50; lb. \$6.00.

**SPARK'S EARLIANA**—We offer a special stock of this variety which has been selected for freedom from disease, type, and shipping

quality. The fruits are large, smooth, of fine texture and quality. Postpaid, Pkt. 5c; oz. 35c; 4 oz. \$1.00; ½ lb. \$1.85; lb. \$3.50.

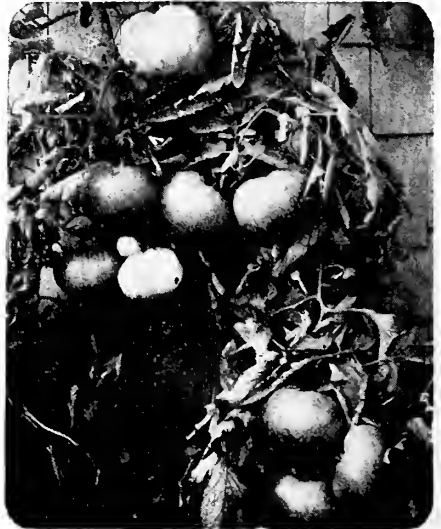
**MARGLOBE**—The most important Tomato introduced in years—the achievement of Dr. Fred Pritchard, United States Department of Agriculture. It is practically immune to Nail Head Rust and Fusarium Wilt. It is a hybrid from Marvel and Globe, of pure scarlet globe-shaped type, having the fine characteristics of the Globe but more vigorous; a heavier producer and somewhat earlier—an exceptionally fine Tomato, especially recommended for shipping, Postpaid, Pkt. 5c; oz. 40c; 4 oz. \$1.50; ½ lb. \$2.75; lb. \$4.90.

**MATCHLESS**—A large, smooth tomato used in many sections for canning, somewhat later than Earliana. Postpaid, Pkt. 5c; oz. 30c; 4 oz. 90c; ½ lb. \$1.50. Lb. \$2.90.

**NEW STONE**—This tomato is later in maturity than Earliana. The fruits are oval, of deep scarlet color. Postpaid, Pkt. 5c; oz. 30c; 4 oz. 90c; ½ lb. \$1.50; lb. \$2.90.

**GROUND CHERRY**—A species of tomato producing the fruit inside of a husk. The fruits are small, round and yellowish in color and are used for preserving. Postpaid, Pkt. 5c; oz. 50c; 4 oz. \$1.90; ½ lb. \$3.50; lb. \$6.00.

**CHALK'S EARLY JEWEL**—A variety which produces throughout the season if conditions are favorable. The fruits are large, bright scarlet in color and stand shipment well. Postpaid, Pkt. 5c; oz. 30c; 4 oz. \$1.00; ½ lb. \$1.75; lb. \$3.25.



John Baer Tomato

SEE PAGE 19 FOR TOMATO PLANTS

# Table Turnips

One ounce will sow 400 feet of drill. In drills, 1 to 2 lbs. per acre, sown broadcast, 4 to 5 lbs. per acre.

Turnips develop best during cool weather, and can be grown from seed sown early in the spring. But Turnips are most important as a fall crop. For fall or winter use sow the seed between the middle of July and August 20 in rows not less than 18 inches apart and cover with  $\frac{1}{2}$  to  $\frac{3}{4}$  inch

of fine soil. The most popular method, however, is to broadcast the seed either between the rows of corn or in the cultivated orchard. The early white varieties are often sown as a catch crop after early Potatoes.



Purple Top Strap-Leaf

**PURPLE TOP STRAP-LEAF**—This is surpassed in earliness only by the Milan. The roots are quite flat, 4 to 6 inches in diameter. The upper portion of the root is a deep purplish red, the lower portion clear milky white. Fine grained, sweet, and tender. Grown extensively for fall and winter use. Postpaid. Pkt. 5c; oz. 15c; 4 oz. 30c; 1 lb. 75c.

**WHITE EGG**—White Egg Turnip is an old favorite with both home gardeners and market growers. The roots are of typical egg-shape. The skin is thin and almost white. The flesh is pure white, mealy, fine grained, and entirely free from any hard fibre or woody substance. When prepared for the table, the roots are tender, crisp, and of fine sweet flavor. It is an excellent variety for winter. Postpaid. Pkt. 5c; oz. 15c; 4 oz. 30c;  $\frac{1}{2}$  lb. 45c; 1 lb. 75c; 5 lbs. \$3.00.

**PURPLE-TOP WHITE GLOBE**—This is a well-known Turnip, also sold under the name of Red-Top White Globe. The roots grow to good size, measuring 6 inches and more in diameter. They are nearly round in shape and show a rich purplish red color on the upper part of the roots which extends above the surface. The lower portion is creamy white. The flesh is white, firm, crisp, and of remarkably mild flavor. Postpaid. Pkt. 5c; oz. 15c; 4 oz. 30c; 1 lb. 65c; 2 lbs. \$1.10; 5 lbs. \$2.45; 10 lbs. \$4.55.

**LARGE WHITE GLOBE STRAP-LEAF**—A large ball-shaped Turnip, of uniform size and shape—6 inches in diameter. The white skin is smooth. The flesh is pure white, firm, crisp, and of finely

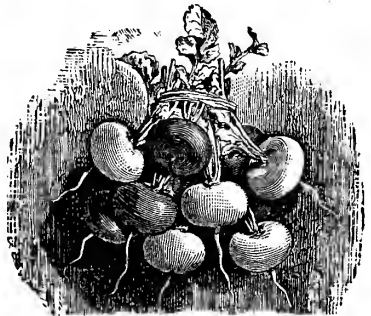
grained quality. A heavy yielder. Postpaid. Pkt. 5c; oz. 12c; 4 oz. 20c;  $\frac{1}{2}$  lb. 35c; 1 lb. 65c; 2 lbs. \$1.10; 5 lbs. \$2.45; 10 lbs. \$4.55.

**EXTRA- EARLY WHITE MILAN** — The bulbs are flat, of medium size, smooth, with crisp white flesh of excellent flavor. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 25c;  $\frac{1}{2}$  lb. 45c; 1 lb. 75c.

## YELLOW-FLESHED TURNIPS

**GOLDEN BALL**—The roots are perfectly globe shaped and have bright creamy yellow skin. They are smooth, regular in shape and size, and of very attractive appearance. The flesh has a pale amber tint and is remarkably fine grained. Golden Ball is a quality Turnip with smooth, mealy flesh, free from woodiness and hard fibre. Postpaid. Pkt. 10c; oz. 15c; 4 oz. 25c;  $\frac{1}{2}$  lb. 45c; 1 lb. 75c.

**LARGE YELLOW or Amber Globe**—Of large size and regular shape. The roots are almost round in outline. The skin is even and smooth, of a pale amber color. The beautiful creamy yellow flesh is fine grained and free from hard fibre. Postpaid. Pkt. 5c; oz. 15c; 4 oz. 25c;  $\frac{1}{2}$  lb. 45c; 1 lb. 75c.



Extra-Early White Milan

GROW PLENTY OF TURNIPS FOR SUMMER, FALL AND WINTER  
THEY MAKE EXCELLENT SOUR KRAUT

## Vegetable Plants

All of the plants offered, are hard, having been transplanted and hardened out of doors before shipment. Plants are carefully packed to reach you in the best possible condition. Place your order early, specifying date for delivery. Cabbage plants and Cauliflower ready March 1; Celery, Tomato and Pepper plants ready April 1.

**ASPARAGUS VARIETIES**—Palmetto, Mary Washington.

**CABBAGE**—Early Jersey Wakefield, Copenhagen Market and Danish Ballhead.

**CELERY**—Golden Self Blanching and White Plume.

**CAULIFLOWER**—Early Snowball and Danish Giant.

**PEPPERS**—Chinese Giant, Pimento, Cayenne.

**TOMATOES**—Spark's Earliana, John Baer, Bonny Best.

**RHUBARB**—Victoria, Strawberry.

	Postpaid 3rd zone	Doz.	100
Cabbage .....	\$ .20	\$ .85	
Cauliflower .....	.30	1.75	
Celery .....	.25	1.50	
Peppers .....	.30	1.75	
Tomatoes .....	.30	1.75	

Rhubarb Roots. Postpaid.....3 for 40c  
Not Postpaid .....3 for 25c

**STRAWBERRIES**—Gold Dollar, New Oregon, Progressive Everbearing.

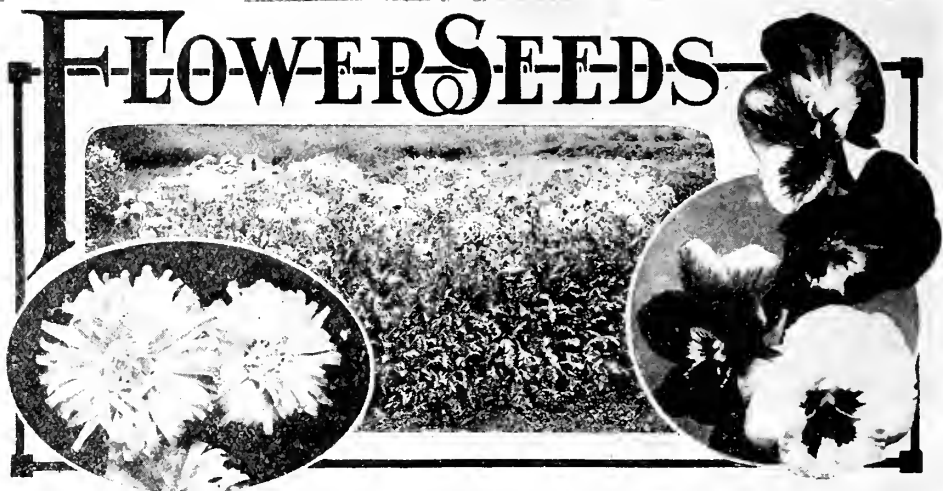
Strawberry Plants. Prepaid, per 100 .....\$1.50  
Not Prepaid, per 100 .....1.25

**MASTODON EVERBEARING**—A recent introduction that has created nation-wide interest. Mastodon is very prolific and the berries are extra large, good color, and delicious flavor. Mastodon is a strong-grower and plant producer. It fruits under all conditions and will give you berries in abundance from early spring until late fall. Mastodon is the last word in Everbearers and a moneymaker. Prepaid. Doz. 50c; 25 plants 75c; 100, \$2.00. Not Prepaid. per 1000, \$12.00.

### SPECIAL PRICE ON LARGE QUANTITIES

**BERMUDA ONION PLANTS**  
Postpaid 3rd zone. 30c per 100; \$1.00 per 500;  
\$1.80 per 1000; \$6.00 per crate of 6000.

For Description See Page 15



## Giant Crego Asters

**GIANT CREGO ASTERS** produce large flowers 4 to 5 inches in diameter. The blooms are fully double, about 2½ inches thick. They are carried on long strong stems. The individual petals are gracefully curled and twisted, giving the whole flower an artistic appearance, not unlike a Japanese Chrysanthemum. The plants grow 2 feet tall, and bloom during mid-season.

Shell-Pink, Purple, Lavender, White, Crimson. Any of these. Pkt. 10c; ⅛ oz. 35c; ¼ oz. 55c; ½ oz. 95c.

**COLLECTION GIANT CREGO ASTERS**  
5 Pkts for 40c.

**CREGO'S GIANT MIXED**—This mixture contains the right proportions of every color listed. It gives a wonderful display. Postpaid. Pkt. 10c; ⅛ oz. 30c; ¼ oz. 50c; ½ oz. 85c.

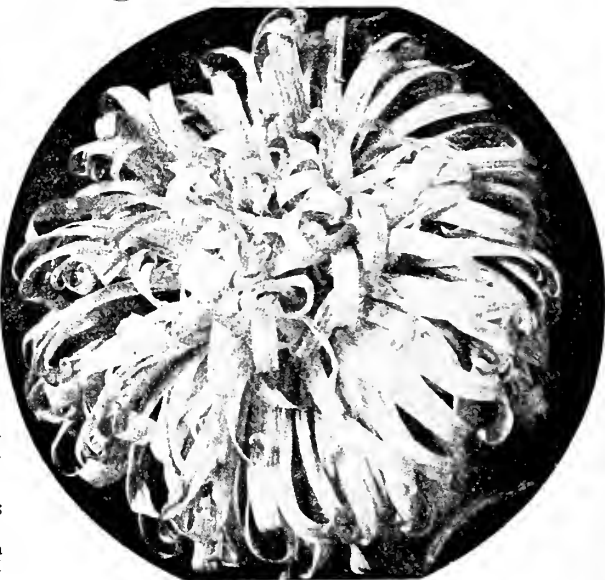
**EARLY FLOWERING**—Early Flowering type of American Beauty Asters begins blooming about the time the Royal Asters have passed their prime. The bushes grow 2½ to 3 feet tall, carrying magnificent large flowers.

Purple, Flesh Pink, Crimson, Lavender, Peach Blossom. Any of these. Pkt. 10c; ⅛ oz. 50c; ¼ oz. 90c; ½ oz. \$1.55.

**EARLY BEAUTY MIXED**—This is a splendid mixture of all the bright and showy colors found in this lovely type of Asters. Postpaid. Pkt. 10c; ⅛ oz. 50c; ¼ oz. 90c; ½ oz. \$1.55.

**NEEDLE KING ASTERS**—Large size flowers with long, narrow petals much folded so as to appear quilled. It follows the Royal Asters and grows about 2 feet tall. A valuable class for garden display and for cutting.

**King Asters, Mixed**—This excellent mixture is composed of all colors. It will make a fine display. Pkt. 10c; ⅛ oz. 30c; ¼ oz. 50c; ½ oz. 85c.



Crego Aster

**NEW CALIFORNIA SUNSHINE ASTERS**—A distinct improvement on the original Sunshine Asters, growing taller, more upright, with longer stems and larger flowers; 2 to 2½ feet tall. Pkt. 10c; ⅛ oz. 30c; ¼ oz. 50c; ½ oz. 85c.

**AMERICAN LATE BRANCHING ASTERS**  
**HEART OF FRANCE**—Beautiful deep scarlet-red blooms of large size and perfect formation. Long stemmed. Flowers during mid-season. Pkt. 10c; ⅛ oz. 45c; ¼ oz. 75c.

USE VIGORO IN PREPARING YOUR  
ASTER BED — IT WORKS WONDERS

ASTER COLLECTION  
Any twelve 10c Pkts. on this Page for \$1.00

IF YOU LIKE ASTERS—TRY SUNSHINE ASTERS.

# How to Prepare Flats for Germination of Flower Seeds

Flower seeds should be started in flats so that they can be transplanted to the garden in the proper season. They will produce stronger plants and will bloom earlier than when sown out of doors as early as weather conditions permit.

Wood flats 12 x 18 inches and 3 to 4 inches in depth are the best size to handle. Use a mixture of sifted top soil to which is added about 25% of sand, 25% of granulated peat moss. Mix thoroughly and work with enough water to make the bed firm. A light covering of one-half inch of granulated peat moss should be added to the surface to serve as a bed for the seeds and to prevent baking and cracking of the surface.

The boxes should be placed under glass or Suncloth, allowing plenty of air under the cover. Keep the surface moistened enough to germinate the seed. If the seeds are planted in

rows, it is easier to weed and to determine the percentage of germination.

All small seeds, such as Petunias, Kochia, Sweet William, Salpiglossis, Lobelia, etc., should be sown on the surface, pressed down lightly and a thin layer of granulated peat moss sprinkled over the top. Do not water any more than necessary to hold the moisture toward the surface.

Larger seeds may be planted in shallow rows made in the soil, then covered with a thin layer of peat moss. If there is any indication of damping-off fungus appearing, Semesan should be added to the water used in sprinkling the beds.

After the seeds have germinated and the plants appear, thin them to the desired spacing and keep the flats weeded. Some seeds require from 15 to 20 days to germinate, so plenty of time should be allowed to take care of slow growing seeds.

## Standard Flower Favorites

**AGERATUM (Blue Perfection)**—Attractive, compact bushes with a profusion of small ball-shaped pure blue flowers. Excellent for beds and borders. Postpaid. Pkt. 10c; 1-16 oz. 40c; 1/8 oz. 65c.

**ALYSSUM (Sweet)**—A well known variety 10 inches in height with fragrant white flowers. An excellent border plant. Postpaid. Pkt. 10c; 1/4 oz. 25c.

**(Carpet of Snow)**—Low growing, pure white, trailing habit. Postpaid. Pkt. 10c; 1/4 oz. 25c.

**(Little Gem)**—A special dwarf variety of Alyssum with masses of pure white flowers. Postpaid. Pkt. 10c; 1/4 oz. 25c.

**(Saxatile Compactum)**—This perennial strain of Alyssum is valuable for rock gardens. It produces yellow flowers and is desired by many for its color. Postpaid. Pkt. 10c; 1/4 oz. 30c.

**AMARANTHUS TRICOLOR (Joseph's Coat)**—A very showy annual growing to a height of 3 feet. The leaves are variegated in color, red, yellow and green. It is used where a variety of color is needed. Postpaid. Pkt. 10c; 1/4 oz. 25c.

**ANEMONE (Windflower)**—A half hardy perennial 18 inches in height with beautiful delicate flowers. Should be included in the rockery. Postpaid. Pkt. 10c; 1/4 oz. 50c.

**ARCTOTIS GRANDIS (African Daisy)**—These annual daisies grow from 6 to 10 inches tall, producing pure white flowers with lilac under color. Fine for cutting. Postpaid. Pkt. 10c; 1/4 oz. 25c.

**ARABIS (Rock Cress)**—One of the best white flowering perennials for rock garden, blooming very early in the season. It is low growing and is fine for borders or massing. Postpaid. Pkt. 10c; 1/4 oz. 25c.

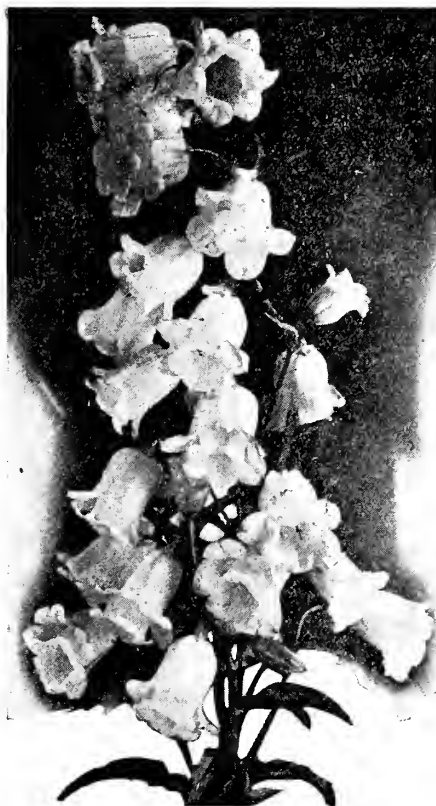
**ASTERS**—See special flower list on page 23.

**BACHELOR'S BUTTON**—Old favorite annuals growing to a height of 3 feet. The flowers are of various shades of blue, purple, pinks, and white and the foliage is small. Easily grown from seed planted out of doors. Postaid. Pkt. 10c; 1/4 oz. 25c.

**BALSAM**—An annual 1 to 2 feet in height suited to borders or group planting. The rose-like flowers grow in the axil of the leaves and are beautiful in shade and color. Postpaid. Pkt. 10c; 1/4 oz. 25c.

**BLUE LACE FLOWER**—This annual grows 2 feet in height and has lace-like mass of blue flowers. The blooms are produced throughout the season and can be used for cutting and general garden display. Postpaid. Pkt. 10c; 1/4 oz. 50c.

**CALLIOPSIS**—A hardy annual with long graceful flower stalks. The flowers vary in color from yellow to dark maroon. Fine for cutting and mass planting. Postpaid. Pkt. 10c; 1/2 oz. 25c.



Canterbury Bells

**CANTERBURY BELLS**—Hardy biennials 2 to 3 feet in height, producing large bell-like flowers in assorted colors. Desirable for rockeries and borders. Postpaid. Pkt. 10c; 1/4 oz. 35c.

### FLOWER COLLECTION

Any Six 10c Pkts. on this Page  
for 50c

## STANDARD FLOWER FAVORITES—Continued

**CALENDULA (Lemon Queen)**—A rich lemon yellow variety with large compact blooms. The plants are used for massing and borders. If cut often will bear throughout the season. Postpaid. Pkt. 10c; ½ oz. 25c.

**(Orange King)**—Similar in quality to the Lemon Queen but the flowers are of a deep orange color. Postpaid. Pkt. 10c; ½ oz. 25c.

**(Mixed Colors)**—An assortment of colors varying from nearly white to dark orange. Postpaid. Pkt. 10c; ½ oz. 25c.

**CALIFORNIA POPPY (Eschscholtzia)**—These annuals grow wild throughout California and many new colors have been produced by selection. The plants are low-growing, with beautiful poppy-like flowers in a wide range of colors. They can be used in the rock garden as well as the general flower planting. Postpaid. Pkt. 10c; ½ oz. 30c.

**CANDYTUFT**—These plants should be spaced about 1 foot apart in the row and will produce a fine growth of spike-like flowers of various colors. It is low enough in growth to be used for borders, and is of value as a cut flower. Postpaid. Pkt. 10c; ½ oz. 25c.

**CANARY BIRD VINE**—An annual climbing vine of graceful form. Seed should be sown indoors and the plants set out after frost. The flowers are of peculiar shape and of yellowish color. Plants grow to a height of 10 feet. Postpaid. Pkt. 10c; ½ oz. 25c.

**CARDINAL CLIMBER**—A vine-like annual with fern shaped foliage growing to a height of 20 feet. It produces fiery cardinal red flowers. A desirable plant for trellis. Postpaid. Pkt. 10c; ¼ oz. 50c.

**CLARKIA**—Hardy shrub-like annuals with colored stems and rosy flowers. A very attractive plant for massing and for planting among perennial shrubbery. Postpaid. Pkt. 10c; ¼ oz. 30c.

**COCKSCOMB**—A late blooming annual with large comb-like masses of brilliant red flowers, produced at the top of the plant. A fine flower to add color to the late garden. Postpaid. Pkt. 10c; ¼ oz. 30c.

**COLUMBINE**—Perennial plants with delicate wavy foliage and graceful spurred flowers of attractive colors. Widely used in rockeries and among shrubbery growing well in partial shade. Postpaid. Pkt. 10c; ¼ oz. 50c.

**COREOPSIS**—A beautiful perennial daisy with yellow petals of glossy color and widely used in rock gardens. The flowers are suited to cutting. Postpaid. Pkt. 10c; ½ oz. 25c.

**COSMOS**—Graceful tall growing annuals with fern-like foliage tipped with large flowers of various colors, blooming from midsummer until frost. Early Single Red Cosmos, Early Single Pink Cosmos, Early Single White Cosmos, Early Single Mixed Cosmos. Postpaid. Pkt. 10c; ¼ oz. 30c.

**CYPRESS VINE**—A rapid growing vine having star shaped flowers. Grows best in warm sunny locations. Postpaid. Pkt. 10c; ¼ oz. 25c.

**CHINESE WOOLFLOWER**—Large, woolly heads borne on strong stems from midsummer until frost. Makes a glorious display in the garden and yields plenty of long-lasting cut-flowers. Mixed. Postpaid. Pkt. 10c; oz. 35c.

**DUSTY MILLER CENTAUREAS, Candidissima (Cineraria)**—A very attractive border plant of compact growth, 8 to 12 inches tall, grown for its showy leaves which have a woolly surface of a bright silvery white shade. The blooms are golden yellow. Postpaid. Pkt. 10c; ¼ oz. 45c; ½ oz. 75c.

**DELPHINIUM, Hardy Larkspur**—All those who have seen this strain are unanimous in proclaiming it unusually fine. It includes a wide range of colors. Postpaid. Pkt. 10c; ½ oz. 50c.

**BELLIS, Double English Daisy**—Charming dwarf bedding plants, usually planted as biennials. They do best in cooler sections and prefer moist shady places. Our strain is extra fine; 3 to 6 inches tall. Postpaid. Pkt. 10c; 1-16 oz. 50c.

**FORGET-ME-NOT**—These succeed best in cool, moist soils. They bloom profusely during the spring and summer. They are also highly valued as a house plant and for cutting. Often sown in July and grown as a biennial. Blue flowering. Postpaid. Pkt. 10c; ½ oz. 20c.

**FOUR-O'CLOCK, Marvel of Peru**—A most useful and showy annual for beds and borders. Excellent for planting in front of the porch or alongside the house. Blooms freely from July until frost. The sweet-scented blooms are open from late afternoon until late morning. Tall, mixed. Postpaid. Pkt. 10c; ½ oz. 20c.



Foxglove

**FOXGLOVE, Digitalis**—In stately appearance the Foxgloves occupy a prominent place among our hardy plants. They are biennials, blooming the second year after sowing. They re-seed themselves very easily and in that way will provide a continuous supply of plants year after year. They succeed well in any ordinary garden soil, and bloom profusely in either the sun or semi-shade. 3 feet high. Fine mixed. Postpaid. Pkt. 10c; ¼ oz. 30c.

**GAILLARDIA, Blanket Flower**—Annual Gaillardias are exceptionally fine for beds, borders, and for cutting. Their brightly colored blooms give a glorious display from July until September. The plants are 15 inches tall. Every gardener should give this easily grown annual a trial. Mixed annual or perennial Gaillardia. Postpaid. Pkt. 10c; ¼ oz. 25c.

**GOETIA, Satin Flower**—Mixed, large rose, carmine, pink, cattleya-blue, and pure white blooms with petals having a beautiful silky finish. Blooms during the summer and fall; 12 inches. Postpaid. Pkt. 10c; ½ oz. 20c; ¼ oz. 30c.

**GEUM (Mrs. Bradshaw)**—An attractive perennial, growing 2 feet tall and bearing double orange-scarlet flowers during summer. Postpaid. Pkt. 10c; 1-16 oz. 45c.

**(Lady Stratheden)**—Fine, double, golden yellow flowers during summer. Postpaid. Pkt. 10c; 1-16 oz. 45c.

**GLOBE AMARANTH, Gomphrena**—Mixed. Attractive, clover-like flower-heads in pink, lilac, and bronze tones. The plants grow 2 feet tall and bloom from midsummer until frost. The individual flowers are ¾ inch across. Postpaid. Pkt. 10c; ¼ oz. 25c; ½ oz. 40c.

**GOURDS, Ornamental**—Ornamental Gourds are easily grown in rich soil where they will produce plenty of fruits. They may be trained on trellises and the ripened fruits used for ornaments. Mixed. Postpaid. Pkt. 10c; oz. 40c.

**GYPSOPHILA, Baby's Breath**—A quick-growing annual, bearing a profusion of small, open, bell-shaped flowers. Gypsophila does well in any soil, particularly if it contains plenty of limestone. Fine for planting in open situations along walls and sunny slopes. Grows 10 to 15 inches tall, and yields plenty of flowers for cutting. Sow the latter part of April. Annual White. Postpaid. Pkt. 10c; ¼ oz. 20c. Perennial White. Pkt. 10c; ¼ oz. 20c.

**HELIOTROPE, Cherry Pie**—Everyone loves the delightful fragrance and beauty of the Heliotrope. To insure a long period of bloom, sow indoors in February and set out in a rich, well prepared soil when the maples are in full leaf. Grow in a sunny location and water freely. Postpaid. Pkt. 10c; ¼ oz. 40c.

**HIBISCUS, Mallow Marvels**—Giant mixed. Canes growing 6 feet tall with flowers of giant size in white and shades of pink, rose, and crimson all during the summer. Gives a fine display. Postpaid. Pkt. 10c; ¼ oz. 30c; ½ oz. 50c.

**HOLLYHOCKS**—Truly handsome flowers of majestic growth. Hollyhocks usually are grown as biennials but they will often last for a number of years if the flowering stalk is cut down as soon as the last bloom on it has faded. Postpaid. Pkt. 10c; ¼ oz. 35c.

**ICE PLANT**—An interesting plant, fine as a ground cover and also suited for hanging baskets. The flowers are quite small, either white or light pink. They are rather inconspicuous. Grown for the odd appearance of the leaves, which look as if frosted with ice. Postpaid. Pkt. 10c; ¼ oz. 20c; ½ oz. 30c.

## STANDARD FAVORITE FLOWERS—Continued

**KOCHIA, Burning Bush**—A popular ornamental annual, also known as **Summer Cypress**. Develops into symmetrical plants 3 feet tall. Postpaid. Pkt. 5c; ½ oz. 25c.

**LANTANA**—Finest mixed. This well-known shrubby plant, with clusters of verberna-like flowers, makes a splendid display the first season sown from seed. The plants flower freely throughout the entire summer and can be potted for winter blooming. Height, 18 inches. The seeds require 4 weeks or longer to germinate, but the plants grow quickly. Postpaid. Pkt. 10c; ¼ oz. 20c; ½ oz. 30c; oz. 50c.

**LARKSPUR**—Annual Larkspur is beautiful for its variegated colors

and double flowers. Fine for bedding and mass planting. Postpaid. Pkt. 10c; ¼ oz. 30c.

**LINUM (Red Flax)**—An annual variety of flax with bright red flowers. The foliage is delicate and adds to the variety in any flower garden. Postpaid. Pkt. 10c; ½ oz. 25c.

**LOBELIA**—Dwarf Lobelia is used extensively in porch boxes, and borders, because of its beautiful blue color and delicate foliage. Postpaid. Pkt. 10c; ½ oz. 50c.

**LUPINS**—Our strain of Lupins is an annual easily grown from seed. The flowers are borne on long spikes and are pea-shaped. Postpaid. Pkt. 10c; ¼ oz. 25c.

**MARIGOLD (Tall African)**—The Marigold is a well known annual blooming throughout the season, with orange, and yellow flowers. Used in mass planting and for cut flowers. **Orange Ball**—Orange in color, double. **Lemon Ball**—Lemon yellow in color, double. **Mixed Colors**. Postpaid. Pkt. 10c; oz. 40c.

**MIGNONETTE**—A sweet scented annual for borders, growing 12 inches tall. Excellent for bouquets. Assorted colors. Postpaid. Pkt. 10c; ½ oz. 35c.

**MORNING GLORY**—Old fashioned annual climbers for covering trellis or porch. The flowers are bell shaped and of variegated colors. Postpaid. Pkt. 10c; ½ oz. 25c.

### The Latest Sensation A Double Sweet-scented Nasturtium

Double Nasturtiums are not new, but until lately have been propagated only by cuttings. Therefore it gives us great pleasure to offer again this unique novelty in Nasturtiums.

**GOLDEN GLEAM** forms a vigorous, large bush which throws out short runners, averaging eighteen inches. The flowers commence to come as soon as the plant nears complete development, and at the time it is in full bloom the entire plant, including the runners, is a blaze of color. The large, golden-yellow flowers average two and one-half to three inches across. They are borne on erect, stiff stems six inches in length. Consequently the flowers stand well above the foliage, an arrangement which adds immeasurably to the showy appearance of the plant.

An ordinary sized bouquet, when allowed to remain in a room for a short period of time will fill the room with fragrance. Postpaid. Pkt. 15c.



**NASTURTIIUM**—These hot season annuals should be included in every garden because of their productivity and adaptability. Will grow on poor soils and intense sunlight. The taller varieties are used in porch boxes, allowing them to trail over the edges. Tall mixed. Dwarf mixed. Postpaid. Pkt. 10c; oz. 20c; ¼ lb. 75c.

**ORIENTAL POPPY**—Rich scarlet red flowers of value in the perennial garden. The plants are hardy and bloom early in the season before many of the annuals are ready. We believe that this is the best poppy for garden planting. Postpaid. Pkt. 10c; ¼ oz. 40c.

**PETUNIAS, Giants of California**—These petunias are very large, ruffled and fringed and are of a beautiful variety of colors. Our seed will produce as fine flowers

as can be grown. Postpaid. Pkt. 25c; 1-32 oz. \$3.00.

**Rosy Morn**—A rosy pink single petunia with white throat. One of the best varieties for the border and mass planting. Postpaid. Pkt. 15c; ½ oz. \$1.00.

**Elks Pride**—A deep royal purple variety of rich color, used for borders, window boxes and bedding. One of the richest colored varieties every developed. Postpaid. Pkt. 25c; 1-32 oz. \$3.00.

**Balcony Red**—A deep red petunia of the balcony type, suited to window box and borders. The flowers are single and of a rich color. Postpaid. Pkt. 15c; ½ oz. 75c.

**Petunia**—The common petunia grows well in extreme sunlight and is used in massing, giving a pleasing effect. Easily grown

from seed planted in the cold frame and transplanted to the garden after frost. Postpaid. Pkt. 10c; ¼ oz. 40c.

**ANNUAL PHLOX**—The annual Drummondii is low growing and being a free bloomer, is used for borders and bedding. Easily grown and hardy. Postpaid. Pkt. 10c; ¼ oz. 40c.

**PHLOX, Perennial**—We offer only the assorted colors of perennial Phlox. They should be started in the hot-bed and transplanted as early as the season permits. A background of mixed Phlox is very pleasing in its effect as they are persistent in flower. Height 2 to 3 feet. Postpaid. Pkt. 10c; ¼ oz. 75c.

Any twelve 10c Pkts. on this page, postpaid for \$1.00.

# HOME GARDEN COLLECTION NO. 1

of

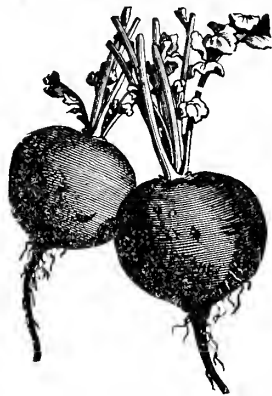
## New and Standard Extra Early Varieties

For Early Planting and for the Higher Elevations Where the Season is Short

**ALASKA or Earliest of All Peas**—A very hardy variety for early planting. The seeds are small and of finest quality for canning and the entire crop is ready for harvest at the same time.

**GIANT WONDER PEAS**—A new dwarf early wrinkled pea. See back cover page.

**SWEET CORN**—The very latest origination from the North Dakota Agricultural College, where Prof. F. A. Yaeger has again scored a triumph. Now the long looked for time when luscious corn on cob may be enjoyed has been advanced 17 to 24 days, for Golden Gem is ready that much earlier than its grandparent, Golden Bantam. The stalks stand 4 ft. high and produce an average size ear with 8 rows of fine quality Yellow Sweet Corn. Golden Gem is a selection from a cross of Early Sunshine and Early Picaninny. Early Sunshine was a cross of Golden Bantam and an early White Corn. Trials have shown the number of ears per acre of Golden Gem to exceed those of Golden Bantam. We offer Golden Gem in limited quantities only as the seed supply is very limited.



Crimson Giant

**CRIMSON GIANT RADISH**—This variety is similar to the "Scarlet Turnip", but grows to larger size. The roots are a beautiful crimson color, and of most excellent quality. It is the best variety to grow for the market, and is equally desirable for the home garden.

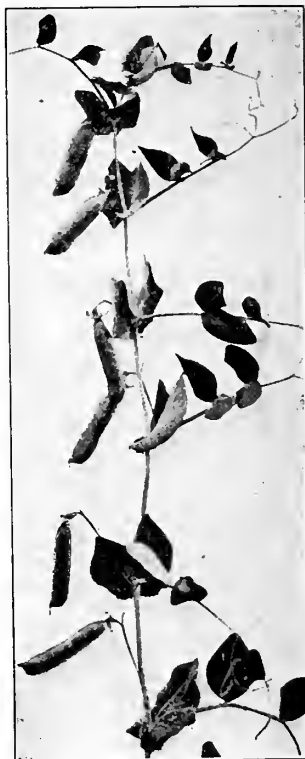
**SPECIAL NEW YORK HEAD LETTUCE**—We are certain that you cannot find a better stock of lettuce than our Special New York strain. All of our seed has been selected for uniformity of type, quality and yield and comes direct to us from our special grower in sealed bags.

**BLOOMSDALE SAVOY SPINACH**—This spinach produces large, thick, deeply wrinkled dark green leaves. Used principally for early spring planting.



Early Wonder

**EARLY WONDER BEET**—An improvement, by selection, of Crosby's Egyptian. As a variety to bunch for the market, it has no equal. Color is a rich dark red, small top, single tap root and a fine keeper. It merits a place in every garden, private or for market.



Alaska or Earliest of All

1 oz. Crimson Giant Radish .....	\$ .15
1 oz. Special N. Y. Head Lettuce .....	.20
1 oz. Bloomsdale Savoy Spinach .....	.15
1 oz. Early Wonder Beet .....	.15
1 carton Early Alaska Peas .....	.15
1 lb. Giant Wonder Peas .....	.35
1 lb. Extra Early Gem Sweet Corn .....	.35

Total .....\$1.50

ALL POSTPAID TO 3rd ZONE

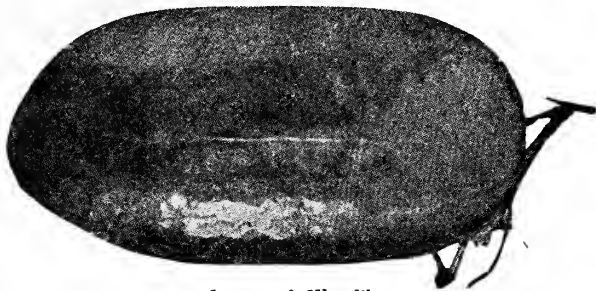
for only \$1.35

# HOME GARDEN COLLECTION NO. 2

OF

## Standard Varieties for Second Early Planting

**IMPROVED KLONDIKE (Black Seeded)** Among the leading shippers in all the Melon growing districts of California, this wonderful new Melon has rightfully earned the reputation of being the best quality Melon in existence, and is being grown with equal success in other States regardless of climatic conditions. The Melons are oblong in shape, and weigh from 20 to 35 lbs. each. The rind is thin but tough, with an attractive deep green color. The flesh of the Melon is a rich red. It is without doubt one of the sweetest Melons grown.



Improved Klondike

**LONG SMOOTH HOLLOW CROWN PARSNIP**—This variety makes long roots and should therefore be grown in deeply prepared soil. In deeply worked soil the roots will grow to perfection. Fully developed they measure 15 inches in length and 3 inches in diameter at the shoulder. This variety is highly recommended for winter use. It is used not only for the table but also for livestock, which eat the roots readily.

**CHANTENAY CARROT**—This variety is slightly shorter and more stump-rooted than Danvers Half-Long. Grows very uniform in size and shape, about 6 inches long, with finely cut shoulders, tapering slightly. Flesh is deep golden orange color, crisp and sweet.

**DETROIT DARK RED BEET**—One of the favorite varieties for canning and slicing. The roots are medium in size, and globe shaped and are early in maturity.

**GOLDEN SUNSHINE SWEET CORN**—(60 days). The same flavor and color as Golden Bantam, but 10 days earlier. The ears are also larger, being 12-rowed instead of 8. Sunshine Corn is ready as early as the early white corns, it is early enough to be off the market before Golden Bantam is ready. Dr. Yeager of the North Dakota Experimental Station developed Golden Sunshine by crossing Golden Bantam with Portland Early Market. We obtained our original seed direct from Dr. Yeager. The plant is dwarf and the ears close to the ground. We have grown a large seed acreage of Golden Sunshine, anticipating a big demand; do not disappoint us by missing this excellent variety.

**BURPEE'S STRINGLESS GREEN - POD BEANS**—One of the earliest; round podded, always stringless, tender and crisp. 42 days. Finest green-pod bush bean in cultivation. This famous snap bean is unequalled. See page 7.

**DUTHIE'S STRINGLESS WAX BEANS**—A most prolific variety of superlative quality. The handsome rich yellow pods are slightly curved, averaging 6 to 7 inches in length. They are almost round, very meaty and sweet, and perfectly stringless at all stages. See page 8.

**IMPROVED PERFECTO CANTALOUPE**—This is an excellent Cantaloupe. The flesh is extremely thick, deep orange in color and fine in flavor, with a small triangular seed cavity. It is slightly oblong in shape, but at the same time it is almost round and is classed as a round Melon. The surface of the Melon is covered with a heavy gray netting which insures its shipping qualities. We expect Improved Perfecto to become very popular. The vines of this Cantaloupe grow very profusely and it is resistant to disease to a marked extent. Give this new variety a trial for home or market, it will please you.

1 oz. Hollow Crown Parsnip .....	\$ .20
1 oz. Chantenay Carrot .....	.15
1 oz. Detroit Dark Red Beet .....	.15
1 lb. Golden Sunshine Sweet Corn .....	.35
1 oz. Klondyke Watermelon .....	.15
1 oz. Improved Perfecto Cantaloupe ....	.20
1 lb. Stringless Green Pod Beans .....	.35
1 carton Duthie's Stringless Wax Beans ..	.15

Total .....\$1.70

ALL POSTPAID TO THIRD ZONE

For Only \$1.55

## STANDARD FAVORITE FLOWERS—Continued

**GIANT PANSIES, Oregon Giants**—This strain differs from others in that the flowers are somewhat more flattened, but this characteristic adds considerably to the size of the blooms, which, if well grown, measure 4 in. across. The originator exhibited such blooms at the Oregon Flower show in 1928. A graceful wave adds beauty to the flowers that excel others Pansies in size and embrace as fine a color range as any. Postpaid. Pkt. 10c; 1/4 oz. \$1.00.

**TRIMARDEAU or Giant Mixed**—These Pansies include an assortment of color that is perhaps more varied than that found in even more expensive strains. You will find in the mixture all the colors described under this heading and many other giant-flowering varieties with flowers of exquisite form and unique coloring. It is a perfectly beautiful large-flowering strain that will serve well where large flowers and color range are wanted. Postpaid. Pkt. 10c; 1/8 oz. 35c; 1/4 oz. 55c; oz. \$1.65.

**PENTSTEMON**—Where winters are mild this may be grown as a perennial, but in most sections it should be treated like an annual. Sow the seed thinly, early in the spring, indoors in boxes. Grows 2 to 3 feet tall, bearing an abundance of long flower-spikes set with large blooms in many bright colors. Postpaid. Pkt. 15c; 1-16 oz. 35c; 1/8 oz. 55c; 1/4 oz. 95c.

**PHYSALIS, Chinese Lantern**—A hardy perennial suitable for growing in waste corners of the flower garden. The flowers are small and inconspicuous but the seed pod develops a large orange colored ball similar to a lantern. These pods are produced at intervals on the stems and make fine winter decorations for the home. Postpaid. Pkt. 10c; 1/4 oz. 50c.

**PINKS**—Old fashioned flowers producing a variety of colors. Useful for beds and borders as they are long growing. Postpaid. Pkt. 10c; 1/4 oz. 35c.

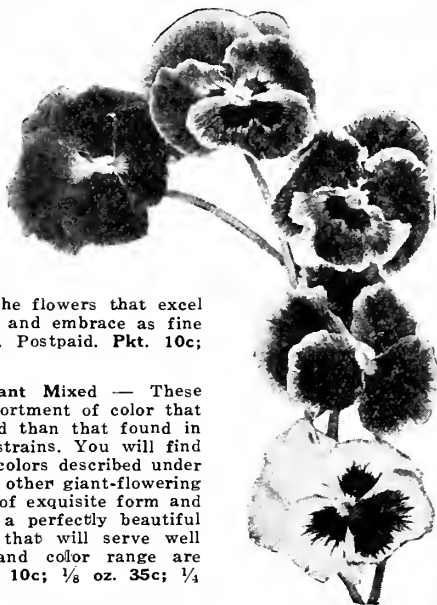
**POPPY, Double Carnation Flowered**—These ball-like flowers are very attractive in the annual garden and grow readily from seed planted out of doors. Plants 3 feet tall. Postpaid. Pkt. 10c; 1/2 oz. 25c.

**POPPY, Flanders**—Brilliant scarlet memorial of the fields of Flanders. Postpaid. Pkt. 10c; 1/2 oz. 25c.

**POPPY, Shirley**—Single flowered poppies with soft hairy foliage. Because of their delicate shades of color, they are desired for the annual garden. Postpaid. Pkt. 10c; 1/2 oz. 25c.

**PORTULACA, Moss Rose**—A low-growing trailing annual used in rock gardens, borders, etc. The flowers are rose-like and of beautiful colors. Postpaid. Pkt. 10c; 1/4 oz. 35c.

**PYRETHRUM, Golden Feather**—A dwarf variety used for borders.



It is a perennial plant with golden yellow foliage. Postpaid. Pkt. 10c; 1/4 oz. 40c.

**RICINUS, Castor Bean**—Tall palm-like annual with bright green foliage. Mature seed is only produced where the season is favorable. Postpaid. Pkt. 10c; oz. 25c.

**SALVIA, Scarlet Sage**—Salvia should not be transplanted to the permanent bed until frost is passed. The flower spikes are of brilliant color and the foliage dark green making a desirable contrast of color in mass planting. Postpaid. Pkt. 10c; 1/8 oz. 30c.

**Salvia Splendens, Bonfire, Fireball**—Postpaid. Pkt. 10c; 1/8 oz. 30c.

**SALPIGLOSSIS**—You should grow this beautiful annual. The plants grow about 3 feet tall, the flowers are bell-shaped, with delicate markings and velvety appearance. Grown in a wide range of colors and used for massing and cut flowers. Postpaid. Pkt. 10c; 1/4 oz. 35c.

**SCABIOSA, Mourning Bride**—Flower stalks 2 feet tall, with inconspicuous foliage and large flat flowers of beautiful colors. Used in mass planting and for cut flowers as they keep well. Mixed annuals. Postpaid. Pkt. 10c; 1/4 oz. 20c.

**SCABIOSA CAUCASIA**—A perennial Scabiosa with lilac and white colored flowers. Should be included in your rock garden planting. Postpaid. Pkt. 10c; 1/4 oz. \$1.00.

**SCARLET RUNNER BEAN**—This bean derives its name from the brilliant flower produced along the runners. It is a pole type of bean and should be trained on a trellis or fence. Should be planted after danger of frost. Postpaid. Pkt. 10c; 1/4 lb. 20c.

**SHASTA DAISY**—One of the purest white daisies grown. A hardy perennial, blooming through-

out the season. Postpaid. Pkt. 10c; 1/4 oz. 50c.

**SWEET SULTAN**—A beautiful annual for baskets and cutting with thistle-like heads. The petals are feathery and soft in texture with lavender, pink and light shades of color. Postpaid. Pkt. 10c; 1/4 oz. 25c.

**SNAPDRAGON, Antirrhinum**—One of the most popular semi-hardy perennials for massing and cut flowers. The plants bloom profusely if kept cut off and well fertilized.

**Copper King**—Velvety copper scarlet.

**Ruby**—Rich velvety ruby red.

**Canary Bird**—Canary yellow.

**Othello**—Dark maroon.

**The Rose**—Rose pink.

**Tall Mixed.**

**Dwarf Mixed.**

All Snapdragons postpaid. Pkt. 10c; 1/4 oz. 50c.

**STATICE, Sea Lavender**—A showy, everlasting flower with fine clusters of showy blooms carried on graceful stems. The plants are not difficult to grow from seed, which, however, germinates rather slowly. Height, 2 to 3 feet. Postpaid. Pkt. 10c; 1/8 oz. 25c.

**TEN WEEKS STOCKS**—These are best for the garden, growing into bushy plants, 15 to 18 inches tall. The sweet-scented, double flowers are borne profusely on strong spikes. Postpaid. Pkt. 10c; 1/8 oz. 50c.

**STRAWFLOWER, Helichrysum**—For winter bouquets, the strawflower is unsurpassed. If the flowers are cut when in full bloom and allowed to dry, they will hold their color and keep during the winter season. The colors are red, orange, pink, etc., and produce a pleasing blend. An annual easy to grow. Postpaid. Pkt. 10c; 1/4 oz. 30c.

**SUNFLOWER—Mammoth Russian** is the type generally grown for poultry feed and silage. The stalks often reach a height of 10 feet, with large disk heads. Postpaid. Pkt. 10c; 1/2 lb. 15c.

**Dwarf Double**—A smaller variety with large double yellow flowers, very uniform in type and beautiful in appearance. Postpaid. Pkt. 10c; oz. 25c.

**SWEET WILLIAM**—Our stock of this hardy perennial has a wide range of color combinations. The plants bloom early in the season and make excellent borders. Height 2 feet. Postpaid. Pkt. 10c; 1/4 oz. 25c.

**TRITOMA, Red Hot Poker**—Hardy perennials producing a tall flower stalk of brilliant cerise color. Blooms during the early part of the season. Postpaid. Pkt. 10c; 1/4 oz. 75c.

Feed everything you grow

**VIGORO**  
Specially prepared plant food

## STANDARD FAVORITE FLOWERS—Continued

**VERBENA**—The Verbena is an ever popular annual for window boxes, borders, and massing. It is low growing and produces graceful flowers in pink, red, blue and white colors. Postpaid. Pkt. 10c; ¼ oz. 50c.

**VIOLA**—A perennial similar in culture to the ordinary violet. Flowers, lavender to purple in color. Quite fragrant. Postpaid. Pkt. 10c; ¼ oz. 50c.

**WALL FLOWER**—Half-hardy perennials growing 1 foot in height. Flowers are a rich red and yellow in color. Postpaid. Pkt. 10c; ¼ oz. 25c.

**WILD CUCUMBER**—One of the most rapid growing vines for covering trellis or for shading windows. The seeds are very hard and should be scarified before planting. Fall sown seen will generally germinate by early spring. Postpaid. Pkt. 10c; oz. 25c.

**WILD FLOWER GARDEN**—A well balanced mixture of flower seeds suitable for planting in corners and vacant areas around the garden. Postpaid. Pkt. 10c; oz. 25c.

ductions. It was selected for keeping qualities as a cut flower, as the color does not yellow to any extent with age. Postpaid. Pkt. 15c; oz. 50c.

**Mary Pickford**—If you are a fancier of choice sweet peas, be sure to include this variety in your collection. The flowers are very large, averaging from three to four to the branch. The petals are a beautiful light pink and very wavy. Postpaid. Pkt. 15c; oz. 50c.

**Heavenly Blue**—A well-named variety of purest blue without a trace of violet. The flowers are large and wavy petaled and bloom profusely. Postpaid. Pkt. 15c; oz. 50c.

### STANDARD LATE SPENCER VARIETIES

**Defiance**—One of the outstanding orange scarlet varieties. It holds its color under intense sunlight and is a pleasing shade. It is vigorous growing late spencer. Postpaid. Pkt. 15c; oz. 50c.

**Apple Blossom**—Large flowers with wings primrose with a flush of rose tint. Postpaid. Pkt. 10c; oz. 25c.

**Dobbie's Cream**—A favorite with creamy colored petals. Postpaid. Pkt. 10c; oz. 25c.

**Fiery Cross**—A brilliant cerise orange of strong color. Postpaid. Pkt. 10c; oz. 25c.

**Hercules**—A giant clear pink of uniform color. Postpaid. Pkt. 10c; oz. 25c.

**Illuminator**—An orange salmon of striking color. Postpaid. Pkt. 10c; oz. 25c.

**King White**—A fine clear white. Postpaid. Pkt. 10c; oz. 25c.

**King Edward**—One of the old standard pure red Spencers of large size. Postpaid. Pkt. 10c; oz. 25c.

**Margaret Atlee**—This deep clear pink is an old standard. Postpaid. Pkt. 10c; oz. 25c.

**Lavender George Herbert**—We suggest this pure lavender as one of the best. Postpaid. Pkt. 10c; oz. 25c.

**Primrose**—Large flower of purest primrose color. Postpaid. Pkt. 10c; oz. 25c.

**Royal Purple**—Rich purple in color with flowers of large size. Postpaid. Pkt. 10c; oz. 25c.

**Wedgewood**—Of a bright blue color. Postpaid. Pkt. 10c; oz. 25c.

**Countess Spencer**—One of the old standard Spencers with a clear pink color; flowers large and wavy petaled. Postpaid. Pkt. 10c; oz. 25c.

**Sweet Pea Mixture**—We offer our special strain of mixed sweet peas for the critical trade. All choice late varieties in a wide range of colors. Postpaid. Pkt. 10c; oz. 20c.

**Grandiflora**—A mixture of colors in this type, which are somewhat

smaller in size than the Spencers, but often grown to add variety to the planting. Postpaid. Pkt. 10c; oz. 15c.

**Perennial Sweet Pea (Lathyrus latifolius)**—This sweet pea grows to a height of 6 to 10 feet, starting from the crown each spring. It is very winter hardy and makes a rank growth. The flowers are of red, pink, and white, assorted colors. Postpaid. Pkt. 10c; oz. 35c.

### DAHLIA FLOWERED ZINNIAS

**CULTURE**—Zinnias should be started under a cold frame or they may be sown out-of-doors after all danger of frost is passed. After the plants are large enough to transplant, they should be placed in the permanent bed, spacing them from 18 inches to 2 feet apart. If the flowers are cut often they will continue to bloom until frost. They will stand intense sunlight but need plenty of water and fertilizer to produce a vigorous growth.

Our Dahlia Flowered Zinnia seed is grown especially for us by a nationally recognized grower.

**Crimson Monarch**—A brilliant red flower of immense size, holding its color well.

**Dream**—A deep lavender shade turning to purple.

**Exquisite**—Light rose in color with the center of deep rose.

**Golden State**—A rich orange yellow of brilliant color.

**Lemon Beauty**—One of the new pastel shades described as a golden yellow on brown.

**Polar Bear**—A pure white of large size and perfect dahlia flower.

All straight colors, postpaid. Pkt. 15c; 5 pkts. 60c; ¼ oz. 50c.

**Mixed Colors**—An assortment of colors containing all of the standard varieties as well as many of the newer novelties. Postpaid. Pkt. 10c; ¼ oz. 40c.



Sweet Peas

**CULTURE**—Sweet peas do best if seeded in the late fall or very early spring. The soil should be spaded quite deep and should be well fertilized with well rotted manure. The seed should be sown at a depth of two and a half to three inches, spacing the seeds about one to two inches apart in the row, later thinning to the desired stand. Sweet peas should be sown where they will secure the best sunlight.

**SPENCER SWEET PEAS, Snowball**—A large flowered pure white and one of the recent intro-



**Double Lilliput Zinnias**—An elegant small-flowering type growing 12 inches tall, with attractive round, fully double, button-like blooms about 1 inch in diameter. Makes an excellent display; also good for cutting. Mixed. Postpaid. Pkt. 15c; ¼ oz. 50c.

# Gladiolus Bulbs

Grown for us by Dodropin Glad Gardens

At the prices quoted the bulbs will be prepaid to all parts of the United States. No orders for Gladiolus bulbs alone accepted and prepaid for less than \$1.00.

On orders for less than \$1.00, add 25 per cent for postage.

VARIETY	Large	Medium	Small	Bulblets
Adelina Patti—Deep violet .....	.15 each	.15 for 2	.15 for 4	.10 for 15
Aida—Very deep purplish blue .....	.15 each	.15 for 2	.25 for 4	.25 for 20
Albania—Extra good white .....	.15 for 4	.15 for 6	.15 for 10	.15 for 100
A. V. Bunce—Dainty yellow Prim. ....	.15 for 4	.15 for 6	.15 for 8	.15 for 100
Bobby—Rose red with blotch .....	.15 for 3	.20 for 6	.20 for 10	.15 for 100
Carmen Sylva—Popular white .....	.15 for 3	.25 for 10	.20 for 20	.20 for 100
Catherina—Grayish light blue .....	.15 each	.15 for 2	.15 for 4	.15 for 20
Copper Bronze—Mottled copper bronze.....	.25 for 10	.20 for 10	.15 for 15	.20 for 100
Fontaine—Ruffled peaches and cream .....	.15 for 3	.15 for 5	.15 for 9	.15 for 100
Gay Hussar—Salmon orange .....	.20 for 3	.20 for 5	.25 for 9	.20 for 50
Geraldine Farrar—Lavender violet .....	.20 each	.25 for 2	.25 for 3	.10 for 10
Gladdie Boy—Rose pink .....	.20 for 3	.20 for 5	.20 for 9	.25 for 100
Glendale—Tall purple .....	.15 for 3	.15 for 5	.15 for 9	.15 for 100
Gloriana—Extra fine salmon pink .....	.20 for 3	.20 for 5	.20 for 9	.10 for 25
Gold Eagle—Early golden yellow .....	.15 for 4	.15 for 6	.15 for 10	.15 for 100
Golden Frills—Ruffled yellow; red throat....	.15 for 3	.15 for 5	.15 for 9	.15 for 100
Golden Swallow—Pure yellow .....	.15 for 3	.15 for 5	.15 for 9	.15 for 100
Iwa—Tall pink; dark throat .....	.15 for 1	.15 for 2	.20 for 3	.15 for 25
Lorice—Salmon orange; overlaid scarlet....	.15 for 3	.15 for 5	.15 for 9	.15 for 100
London Smoke—Red marked darker .....	.15 for 3	.15 for 4	.15 for 7	.20 for 100
Los Angeles—"Cut and come" pink .....	.45 for 10	.25 for 10	.20 for 20	.15 for 100
Minuet—Great prize winning lavender .....	.20 for 2	.15 for 2	.15 for 4	.10 for 25
Miss Spokane—Ruffled orange salmon .....	.25 for 4	.25 for 7	.25 for 12	.20 for 100
Mixed—Assortment good named varieties .....	.40 for 10	.40 for 20	.50 for 40	.10 for 100
Mrs. Leon Douglas—Rose salmon; striped..	.25 for 4	.15 for 4	.....	.15 for 50
Mrs. P. W. Sisson—Cameo pink; prize winner	.25 for 4	.25 for 7	.25 for 12	.10 for 25
Muriel—Light blue .....	.25 for 3	.25 for 5	.25 for 9	.25 for 100
Mr. W. H. Phipps—Famous iridescent pink	.20 for 3	.20 for 5	.20 for 9	.15 for 50
Osalin—Coral pink .....	.15 for 2	.20 for 4	.15 for 6	.10 for 25
Padre—A. G. S. Gold Medal, pink .....	.35 each	.20 each	.10 each	.10 for 25
Prince of India—Mottled old rose .....	.20 each	.25 for 2	.25 for 4	.10 for 10
Rosemary—White, hair lines of lavender .....	.15 for 6	.15 for 4	.15 for 7	.15 for 100
Ruffled—Splendid ruffled seedling.....	.20 each	.10 each	.15 for 2	.15 for 20
Scarlet Princes—Large scarlet; self color....	.15 for 3	.15 for 5	.15 for 9	.10 for 100
Sunset Sky—Cream suffused carmine blush; bright carmine lower lip .....	.30 each	.20 each	.10 each	.15 for 25
Tycko Zang—Salmon pink .....	.15 for 7	.15 for 5	.15 for 9	.15 for 100
White Glory—Ruffled waxy white .....	.20 for 3	.20 for 5	.20 for 9	.10 for 50

## SPECIALLY PRICED COLLECTIONS

100 small bulbs, assorted colors, named varieties .....	\$1.00
100 medium sized bulbs, assorted, correctly named .....	1.50
100 large sized bulbs, assorted, labeled by name .....	2.00

**FREE WITH EACH \$2.00 GLADIOLUS ORDER, A SPLENDID ORIGINAL SEEDLING, TO BE EXCLUSIVELY YOUR OWN. YOU MAY NAME IT. VALUE \$1.00 OR MORE.**

**DELPHINIUM SEED**—Obtained from plants grown from seed produced by the greatest Delphinium grower in England. Something exceptionally nice. Three sized packages: 25 cents, 50 cents, \$1.00.

**AMARYLLIS BULBS**—Obtained from crossing two of the finest Amaryllis ever produced in the U. S. Botanical gardens at Washington, D. C. A fine house plant, which carries over from season to season. Blooms eight inches across. **Price 50 cents and 75 cents.**

## Hardy Perennial Plants

**ALTHEA ROSEA, Hollyhock**—Blooming from July until frost. Mixed, 25c each; \$2.50 per dozen.

**AGUILEGIA, Columbine**—Flowers during May and June. Long Spurred, assorted colors. Each, 25c; \$2.50 per dozen.

**CAMPANULA, Canterbury Bells**—Early flowering, cup and saucer type. Large semi-double, assorted colors. Each, 25c; \$2.50 per dozen.

**COREOPSIS**—Beautiful yellow daisy-like flowers, blooms during June and July. Stems delicate and graceful. Each, 25c; \$2.50 per dozen.

**DIANTHUS, Pinks**—Old fashioned carnation pinks. Each, 25c; \$2.50 per dozen.

**DICENTRA, Bleeding Heart**—Much used flower for early bloom. 3 to 5 eye roots. Each, 50c; \$5.00 per dozen.

**DIGITALIS, Foxglove**—A favorite biennial for border and rock gardens. White, Purple, Rose. Each, 25c; \$2.50 per dozen.

**DELPHINIUM**—Our plants are grown from the best English Hybrids producing a wide range of colors and shades. Each, 35c; \$3.50 per dozen.

**GAILLARDIA, Blanket Flower**—Hardy daisy-like flowers yellow and crimson colors, dark centers. Each, 25c; \$2.50 per dozen.

**GYPSOPHILA, Baby's Breath**—A hardy perennial suitable for cutting and for decorations. Each, 25c; \$2.50 per dozen.

**HARDY ASTER, Michaelmas Daisy**—Beautiful small asters for late fall bloom in the rock garden and partial shade. Assorted colors. Each, 25c; \$2.50 per dozen.

**MYOSOTIS, Forget-Me-Not**—Dwarf plants with dark blue flowers, blooming throughout the summer. Each, 25c; \$2.50 per dozen.

**ORIENTAL POPPY, Papaver**—Hardy hybrid poppies blooming during early summer. Assorted colors. Each, 25c; \$2.50 per dozen.

**PENTSTEMON, Beard's Tongue**—Flowers spike-like of bright scarlet color, blooming throughout the season. Each, 25c; \$2.50 per dozen.

**PHLOX**—One of the most desirable perennials for mid-summer and fall bloom. Height 3 feet. Assorted colors. Each, 25c; \$2.50 per dozen.

**PHYSALIS, Chinese Lantern Plant**—Produces bright orange scarlet lantern-like fruits. Each, 25c; \$2.50 per dozen.

**PYRETHRUM, Painted Daisy**—Hardy daisies with long stems, blooming profusely. Flowers keep well when cut. Rose and red colors. Each, 25c; \$2.50 per dozen.

**SCABIOSA**—Flowers of delicate lavender color borne on graceful stems. Fine for cutting. Persistent in bloom. Each, 35c; \$3.50 per dozen.

**SHASTA DAISY**—Large white. June to August. Each, 25c; \$2.50 per dozen.

**SWEET WILLIAM**—Early flowering pinks of a wide variety of colors. Each 25c; \$3.00 per dozen.

**TRITOMA, Red Hot Poker**—A handsome border plant with large flowers of orange scarlet color. Need some protection during winter. Each, 25c; \$2.50 per dozen.

**IRIS**—We can supply you with German Iris in assorted colors. All stock with large rhizomes. Each, 20c; 3 for 50c.

## LILIES

**Auratum**—Petals white with crimson spots striped through with yellow. July to September. Each, 50c; \$5.00 per dozen.

**Elegans**—Dark orange crimson. June and July. Each, 35c; 3 for \$1.00.

**Tiger**—Light salmon with red spots. July and August. Each, 25c; 6 for \$1.00.

**Turk's Cap**—Apricot shade. July and August. Each, 35c; 3 for \$1.00.

**Lemon**—Bright yellow. June. Each, 35c; 3 for \$1.00.

**Lily of the Valley**—Clumps. Each, 50c; \$5.00 per dozen.

## PEONIES

Fall planting is generally best with peonies, yet spring planting is successful if done very early. Orders should be placed in February at the latest and shipment will be made as soon as the season permits. All of our plants are hardy local grown stocks.

**Alexander Dumas**—A brilliant pink, early in bloom and very vigorous. Each, 50c.

**Baroness Schroeder**—Considered one of the finest peonies grown. The buds are a delicate pink when they first open, changing to a milky white as they mature. Rather late in bloom. Each, \$1.00.

**Couronne D'or**—A mid-season white flowered variety with yellow stamens. Each, \$1.00.

**Delachei**—Mid-late free blooming red. Each, 50c.

**Eduis Superba**—In this locality blooms are produced by Decoration Day. Flowers are a deep pink color. Each 75c.

**Felix Crousse**—Mid-season deep rose red. Each, 75c.

**Festiva Maxima**—The best white peony grown. Flowers are very fragrant and a profuse bloomer. Each, 50c.

## PEONIES—Continued

**Karl Rosenfield**—A brilliant striking red, blooming in mid-season. **Each, \$1.50.**

**La Perle**—Mid-season, flowers a soft pink. **Each, 75c.**

**Madam De Verneville**—Very large bomb type with center petal rose white touched with carmine. Mid-season. **Each, 75c.**

**Marie Lemoine**—Sulphur white, very fragrant, late peony. **Each, \$1.00.**

**Officinalis Rubra**—The best early peony for its profuse bloom and deep red color. **Each, 75c.**

**Queen Victoria**—A pure white, very fragrant and hardy. Mid-season. **Each, 75c.**

**Venus**—Taller growing variety with pale hydrangea pink flowers. Mid-season. **Each, \$1.00.**

## Ornamentals

It is not necessary to invest a large amount in landscape plans and ornamentals the first season. Choose your plan and then add a few shrubs each year. We have started many toward more attractive home surroundings and they are completing the plans each year.

We can assure you complete satisfaction in your choice of our ornamentals as all plants have been grown without irrigation and are hardy, well rooted, and disease free.

**All Prices F. O. B. Lewiston**

**ALMOND**—An early blooming hardy shrub bearing a profusion of rose-like flowers in May. Pink or white flowering, state color desired. **Each, \$1.00.**

**ALTHEA**—An attractive shrub with large showy brilliant colored flowers, height 6 to 10 feet when matured. Blooms in August. Flowers double white or red. **Each, 75c.**

**BARBERRY, Japanese**—Dwarf, blooming in June, flowers yellow in color and fragrant, followed by red berries. Desirable for massing, hedges or as individuals. **Each, 75c.**

**RED LEAVED JAPANESE BARBERRY**—The most valuable red-leaved shrub, similar to green leaved Japanese Barberry except color is red. Color does not fade as season advances if planted in sunny location. **Each, \$1.00.**

**BUDDLEIA, Butterfly Bush**—A summer flowering plant 6 feet in height when mature, with violet mauve colored flowers. **Each, 75c.**

**CARAGANA**—Large pea-like flowers, bright yellow in color, plants with bright green foliage. **Each, 50c.**

**COTONEASTER**—An erect semi-evergreen shrub with white flowers and later showy red berries. **Each, 75c.**

**CORNUS, Red Osier Dogwood**—Spreading in growth. Branches are dull purplish red in color in winter, flowers cream white. **Each, 75c.**

**CORNUS, Florida**—One of the best spring flowering small trees with white flowers. Bright red berries in fall. **Each, \$1.00.**

**CRAB, Betchel's Flowering**—A very fragrant shrub-like tree, height 10 to 15 feet. Blooms in May with delicate pink colored flowers. **Each, \$1.25.**

**CYDONIA, Japan Quince**—Height 5 to 6 feet. Blooms in May, flowers large, scarlet in color. **Each, 75c.**

**DEUTZIA**—Noted for its hardiness. Plants 3 to 6 feet tall, blooming in June.

**Pride of Rochester**—Large white flowers tinted with pink. **Each, 75c.**

**Crenata Rosca**—Deep rose-colored flowers. **Each, 75c.**

**Lemoine**—Dwarf, pure white flowers. **Each, 75c.**



***Flowers...***  
**larger, more blossoms"**

"I am very pleased with Vigoro's results on all my plants," writes E. A. Heins, 112 Clarewill Ave., Montclair, N. J. "They were larger, had more blossoms than in previous years."

Easy, success like this, with Vigoro! Better lawns, vegetables, shrubs, trees, too. Complete, *balanced*, Vigoro supplies *all* elements of plant food for sturdy growth, full development. Clean, *odorless*! Costs only 10c to 20c per 100 sq. ft. Sold where you buy lawn, garden supplies. **Order today!**

**VIGORO**  
COMPLETE PLANT FOOD

A SWIFT & COMPANY product

## ORNAMENTALS — Continued

**ELDER, Golden** — Foliage bright golden yellow throughout season. Has very fragrant flowers. **Each, 75c.**

**FORSYTHIA** — These shrubs grow to a height of 8 feet, producing masses of yellow flowers in early April.

**Fortunei** — Medium size, erect. **Each, 75c.**

**Suspensa** — Drooping. **Each, 75c.**

**Intermedia** — Slender arching branches. **Each, 75c.**

**THORN, Paul's Scarlet** — Suitable for growing in small yard and for grouping. Height 15 feet when matured. Blooms in May. **Each, \$1.50.**

**FLOWERING PLUM, Triloba** — Valuable for its fruit and foliage. Height 5 to 6 feet. Blooms in May. **Each, \$1.25.**

**HONEYSUCKLE, Bush** — A bushy plant with immense clusters of flowers in May and June, followed by red berries.

**Pink Tartarian** — Flowers bright pink color. **Each, 75c.**

**HYDRANGEA** — The Hydrangea is desirable for its late summer blooms. The flowers are large ball-like masses of pure white color, changing to pink as they develop. Height 8 feet. **Each, \$1.00.**

**Paniculata** — **Each, \$1.00.**

**Hills of Snow** — **Each, \$1.00.**

**LILACS** — These common shrubs are always popular for their early bloom and fragrance.

**Common Purple** — **Each, 75c.**

**Common White** — **Each, 75c.**

**Persian** — Flowers pale purple. **Each, \$1.00.**

**Rubra Major** — Flowers reddish purple. **Each, \$1.00.**

**Charles X** — Reddish purple, strong rapid grower. **Each, \$1.25.**

**M. Buchner** — Double, blue flowers of unusual beauty. **Each, \$1.25.**

**President Grevy** — Double pale wisteria violet. **Each, \$1.25.**

**LABURNUM, Golden Chain** — A beauty tree of rapid growth. Flowers in June with drooping bright yellow racemes. **Each, 50c.**

**MOCK ORANGE, Idaho State Flower** — Very hardy, branching shrub with fragrant orange like flowers. Blooms in May.

**Phil. Coronarius** — Pure white flowers. **Each, 75c.**

**Phil. Grandiflorus** — Flowers showy. **Each, 75c.**

**Phil. Lemoine** — Flowers snow white. **Each, 75c.**

**Phil. Mt. Blanc** — Erect growing shrub with small fine foliage and creamy white flowers. Blooms in June — an exceptionally fine variety. **Each, 75c.**

**Phil. Virginal** — Of recent introduction. Very beautiful flowering shrub. Blossoms

snow white, semi-double. Very fragrant. **Each, 75c.**

**OREGON GRAPE** — A holly-leaved type of barberry. An evergreen which is half hardy and needs some protection in cold climates. **Each, \$1.25.**

**PRIVET** — One of the best plants for hedging. 2 year old plants. 100 plants. **\$15.00; each, 20c.**

**PURPLE FRINGE OR SMOKE TREE** — Conspicuous spreading shrub or small tree. Has mistlike clouds of tiny flowers. One of the most beautiful of the large shrubs. **Each, 75c.**

**ROSE ACACIA, Hispida** — Beautiful shrubs with pea-like flowers. Very fragrant. **Each, \$1.00.**

**RUSSIAN OLIVE** — These small trees are desirable for their silvery white foliage. They are very drouth resistant. Fragrant yellow flowers. **Each, 50c.**

**SNOWBALLS** — Well known shrubs with large ball-like masses of white flowers. Fine for individual planting.

**Common** — Flowers globular, pure white. **Each, \$1.00**

**Japan** — Plants spreading in growth. **Each, \$1.25.**

**High Bush Cranberry** — Berries follow flowers, very beautiful. **Each, \$1.00.**

**SNOWBERRY** — Common low-growing hardy plants with small pink flowers followed by waxy-white berries lasting into the winter season. **Each, 75c.**

**SUMAC, Rhus** — These plants grow well in dry areas and are very hardy. Excellent for their brilliant fall foliage.

**Copallna** — Dwarf, with shiny leaves. **Each, 75c.**

**Cut Leaf** — Foliage finely cut and fern-like. **Each, 75c.**

**SPIREA** — The best plants found for banking near buildings and grouping. The foliage is graceful and drooping. Flowers are beautiful.

**Anthony Waterer** — Compact, low-growing, flowers pink. **Each, 75c.**

**Billardi Rosea** — Erect, bright pink flowers. **Each, 75c.**

**Opulifolia (Ninebark)** — Good for borders flowers white. **Each, 75c.**

**Opulifolia aurea** — Foliage golden yellow. **Each, 50c.**

**Van Houttei** — Very graceful flowers, white in round clusters. **Each, 50c.**

**Thunbergi** — Dwarf, drooping branches, white flowers. **Each, 50c.**

**Arguta** — Foliage dense, flowers white. **Each, 75c.**

**Froebel** — Similar to Anthony Waterer, but flowers a more rose pink, young foliage, tinged red. Brilliantly colored in autumn. Blooms all summer. **Each, 75c.**

## ORNAMENTALS — Continued

**TAMARIX** — Hardy shrubs with slender spreading up-right foliage. The leaves are fine and graceful. Flowers are of delicate pink and white colors. **Each, 75c.**

**WEIGELIA** — Fine border plants with trumpet flowers.

**Candida** — Blooms all summer, flowers white. **Each, 75c.**

**Rosea** — Flowers rose color. **Each, 75c.**

**Eva Rathke** — Dwarf, flowers carmine red. **Each, 75c.**

## HARDY CLIMBING VINES

**VIRGINIA CREEPER** — A rapid growing vine for covering porch or windows. It is hardy. Leaves are of rich crimson color in fall. **Each, 50c.**

**ENGELMAN CREEPER** — The best vine for rock or brick walls, as the plant clings tightly to the crevices. **Each, 75c.**

**TRUMPET VINE** — A showy, hardy vine with trumpet flowers of brilliant orange scarlet color. **Each, 75c.**

**CLEMATIS** — One of the best vines for its fall flowers are of a beautiful color.

**Jackmanni** — Large violet flowers. **Each, \$1.00.**

**Paniculata** — Flowers smaller, pure white. **Each, 75c.**

**WISTERIA** — A rapid growing vine with beautiful clusters of pendant flowers.

**Blue** — Flowers pale blue. **Each, 75c.**

**White** — Flowers pure white. **Each, 75c.**

**DUTCHMAN'S PIPE, Aristolochia Siphon** — One of the most satisfactory vines for shading the porch or windows. The vine grows rapidly and is very hardy. The flowers are brownish in color and just the shape of a curved pipe. The flowers appear in early spring as the leaves are beginning to develop. The leaves are large, oval in shape, and produce a beautiful effect. Large rooted plants. **Each, 50c.**

## HARDY ROSES

All of our roses are hardy field grown stock, which will bloom the first season if given favorable growing conditions.

**Parcel Post Notice** — If you desire plants to be sent postpaid, allow 10c for each plant selected in the following list, otherwise plants will be shipped express collect; ornamentals, shrubbery, roses, fruit trees and shade trees.

**Frau Karl Druschki** — A fine hardy rose of the American Beauty type with large double white flowers. **Each, 35c; 5 for \$1.50.**

**Mrs. John Lainge** — Free blooming hardy perennial with soft pink flowers. **Each, 35c; 5 for \$1.50.**

**Ophelia** — A vigorous growing, hardy tea rose. Blooms early, producing salmon orange flowers. **Each, 35c; 5 for \$1.50.**

**Ulrich Brunner** — A hardy perennial with large flowers of deep red or scarlet color. **Each, 35c; 5 for \$1.50.**

**Madam Edouard Herriot** — One of the newest shades of color, a coral red. **Each, 35c; 5 for \$1.50.**

**Los Angeles** — A hardy tea rose, flaming pink in color and free blooming. **Each, 35c; 5 for \$1.50.**

**Lady Hillingdon** — Beautiful long pointed tea buds of deep yellow color. Excellent for cutting. **Each, 35c; 5 for \$1.50.**

**Souv. De Claudius Pernet** — A vigorous growing attractive yellow. **Each, 35c; 5 for \$1.50.**

**Rugosa Hybrid Perpetual Roses** — Hardest of all roses.

**Agnes E. Carman** — Brilliant crimson. **Each, 35c; 5 for \$1.50.**

**Sarah Van Fleet** — Pink. **Each, 35c; 5 for \$1.50.**

**Rubra Rugosa** — Red. **Each, 35c; 5 for \$1.50.**

## CLIMBING ROSES

**American Pillar** — The best single flowered rose grown for trellis. The flowers are a bright crimson color. **Each, 35c; 5 for \$1.50.**

**Paul's Scarlet** — A vivid scarlet rose of intense color. One of the best climbers. **Each, 35c; 5 for \$1.50.**

## ORNAMENTAL TREES

**Parcel Post Notice** — If you desire plants to be sent postpaid, allow 10c for each plant selected in the following list, otherwise plants will be shipped express collect; Ornamentals, shrubbery, roses, fruit trees and shade trees.

**BLACK WALNUT** — Beautiful foliage, very hardy, grown in any type of soil. **Each, 75c.**

**BUTTERNUT** — A fine shade tree, hardy. **Each, 75c.**

**BIRCH** — Cut-leaf weeping, white bark with graceful drooping branches. **Each, \$2.25.**

**ELM, Moline** — A valuable new type with upright habit of growth with large leaves. A rapid grower. Ideal tree for street or lawn planting. **Each, \$1.50.**

**Chinese** — Similar to American white elm but has more ornamental leaf. Very hardy, equally as rapid in growth as poplar. **Stately, Each, \$1.50.**

**LINDEN, American** — Large trees, very beautiful. Leaves large, round, dull green. **Each, \$2.50.**

**MOUNTAIN ASH, European** — Very showy in late summer because of its bright red fruits. A medium sized tree of unusual beauty. **Each, \$1.25.**

**HORSE CHESTNUT** — Very conspicuous when in bloom. Good lawn tree. **Each, \$1.50.**

## FRUIT TREES

**APPLES**—New Red Delicious, Gravenstein, Y. Transparent, Yellow Newton, Jonathan, King, Ortley, Winesap, Red Astrachan, Y. Delicious, Spitzenberg, Northern Spy, Rome Beauty, Red Rome Beauty, McIntosh, Baldwin, W. Banana, and Crab Apples. 4 to 6 ft. trees, Each 50c; 10 for \$4.50. 3 to 4 ft. trees, Each, 35c; 10 for \$3.00. 2 to 3 ft. trees, Each, 30c; 10 for \$2.50.

**CHERRIES**—Bing, Royal Ann, Lambert, Black Tartarian, Waterhouse, Black Republican and Governor Wood. 4 to 6 ft. Each, 60c; 10 for \$5.50. 3 to 4 ft. Each, 55c; 10 for \$5.00. 2 to 3 ft. Each, 45c; 10 for \$4.00.

**PRUNES AND PLUMS** — Italian, Date, Silver, Green Gage, Bradshaw, Hungarian,

Yellow Egg, Peach Plum, and Columbian. 6 to 8 ft. Each, 60c; 10 for \$5.50. 4 to 6 ft. Each, 50c; 10 for \$4.50. 3 to 4 ft. Each, 40c; 10 for \$3.50.

**APRICOTS**—Moorpark, Royal and Tilton. 4 to 6 ft. Each, 60c; 10 for \$5.50. 3 to 4 ft. Each, 55c; 10 for \$5.00.

**PEACH TREES**—J. H. Hale, Early Crawford, Elberta, Mayflower, Late Crawford, Hales Early, Alexander, Tuscan Cling, Rochester, Phillips Cling and Triumph. 4 to 6 ft. Each, 60c; 10 for \$5.50. 3 to 4 ft. Each, 50c; 10 for \$4.50.

**PEAR TREES**, Bartlett's—Bosc, De Anjou, Comice, W. Nellis, W. Bartlett, and Flemish Beauty. 4 to 6 ft. Each, 50c; 10 for \$4.50. 2 to 3 ft. Each, 35c; 10 for \$3.00.



Our "SUPREME" brand is the nearest perfect that can be offered. The seed contains very few, if any weeds, and then only those considered as harmless. It has an excellent color, is free of inert matter, and has a high vitality.

Our "IDEAL" brand is just as free of noxious weeds, but may contain a few harmless weeds, or a slight mixture of other crop seeds that are valuable in a hay crop. A saving in the cost of seed can be had if your crop is not to be used for seed production.

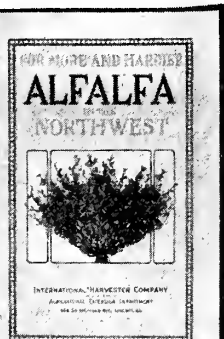
## Alfalfa

Alfalfa yields the heaviest tonnage per acre of any hay crop. Alfalfa hay is relished by all classes of stock. Alfalfa contains a higher percentage of protein, to build muscle and bone, than any other feed produced on the farm. It is especially good for dairy cows. Alfalfa is a wonderful soil builder. Land which has been in Alfalfa for a few years will always produce bumper yields of any other crops.

**GRIMM ALFALFA**—Grimm Alfalfa is a distinct variety which originated in Minnesota. It produces a heavier and more branching root system than the common variety and is more resistant to winter killing and late spring frost. It yields slightly heavier than the common variety and produces variegated flowers. Grimm Alfalfa

## FREE

We are giving away absolutely **FREE** this valuable booklet entitled "Alfalfa in the Northwest" with each \$5.00 purchase of alfalfa or other field seeds listed in this catalog.



should be used where winter killing is a problem but elsewhere the common is just as satisfactory.

**STATE CERTIFIED**—Our Grimm Alfalfa seed has been inspected in the field for trueness to name and after the seed is threshed and re-cleaned it must show a purity of 99.50 or better and be free of noxious weeds. If you are planning on growing alfalfa you should use this grade of seed. Red Tag, 1 lb. 35c; 10 lbs. \$2.75; 25 lbs. \$6.50; 50 lbs. \$12.50. Blue Tag, 1 lb. 37c; 10 lbs. \$3.00; 25 lbs. \$7.00; 50 lbs. \$13.50. Not Prepaid 100 lbs. \$25.00.

Prices on all Field Seeds subject to change without notice



When ordering, always specify kind of seed.

**Alfalfa, All Clovers**  
Size Retail  
1/2 bu. .... \$ .50  
1 bu. .... .90  
5 bu. .... 4.00

**Peas, Vetch, Beans, Austrian Winter Peas**  
Size Retail  
1/2 bu. .... \$ .40  
1 bu. .... .60  
5 bu. .... 2.50

"100 lb. size." Packed only for Vetch and Aust. Pea.

Lead-in High Germ Count Dated—Fresh Each ear

### INOCULATOR PRICES

**Soy Beans, Cow Peas Lespedeza (Hulled)**  
Size Retail  
1 bu. .... \$ .40  
2 bu. .... .70  
5 bu. .... 1.50  
10 bu. .... 2.50

**Garden NITRAGIN for Peas, Beans, Sweet Peas**

Inoculates from 1 oz. to 8 lbs. seed, Price 25c

## ALFALFA—Continued

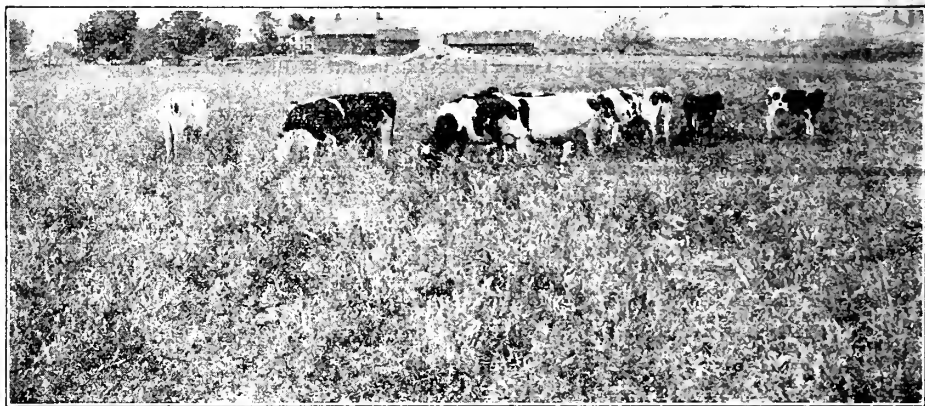


Inoculate  
all  
Alfalfa  
and  
Clover  
Seed  
with  
Nitrifying  
Bacteria

**COSSACK ALFALFA**—Very similar to Grimm. Cossack is claimed by some to be more hardy than Grimm. The original seed of this variety was brought from Siberia, but it has now been grown in this country for 15 or 20 years. Prepaid 3rd zone. Lb. 35c; 10 lbs. \$3.00; 50 lbs. \$13.50. Not Prepaid. 100 lbs. \$24.00.

**COMMON ALFALFA**—Our Common Alfalfa is mountain grown and has proven very satisfactory for Inland Empire conditions. Prices Postpaid. "Supreme Quality," lb. 30c; 10 lbs. \$2.50; 25 lbs. \$6.00; 50 lbs. \$11.00. "Ideal Quality," lb. 28c; 10 lbs. \$2.25; 25 lbs. \$5.50; 50 lbs. \$10.00.

Prices subject to change without notice



Sweet Clover Pasture

## Sweet Clover

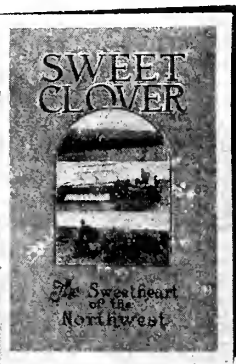
**CULTURE**—Sweet Clover is one of the best crops for soil improvement. It can be sown with a nurse crop of peas or seeded alone in early spring. In some localities it is possible to secure a good stand of alfalfa by seeding a mixture of sweet clover and alfalfa seed. The alfalfa becomes established by the time the sweet clover is gone. If continuous pasture is desired an area should be seeded each season to sweet clover, pasturing the old crop from May until the middle of the summer then pasture the new crop until fall. If the sweet clover comes too coarse and woody it may be cut and allowed to cure in the field and will be eaten readily. And if cut high, fresh green shoots will come again at once.

**WHITE BLOSSOM SWEET CLOVER**—White Blossom gives the heaviest tonnage and is a heavy nitrogen yielder. Postpaid 3rd zone. "Supreme Quality," 10 lbs. \$1.70; 25 lbs. \$3.75; 50 lbs. \$7.00. "Ideal Quality," 10 lbs. \$1.60; 25 lbs. \$3.50; 50 lbs. \$6.50. Not Postpaid, "Supreme" \$12.00 per 100; "Ideal" \$11.00 per 100 lbs.

**YELLOW BLOSSOM**—Postpaid, "Supreme," 10 lbs. \$1.60; 25 lbs. \$3.50; 50 lbs. \$6.50. "Ideal," 10 lbs. \$1.50; 25 lbs. \$3.00; 50 lbs.

\$5.50. Not Postpaid, "Supreme," \$10.00 per 100 lbs. "Ideal," \$9.00 per 100 lbs.

Prices Subject to Change Without Notice



### FREE

With every \$5 purchase of Field Seeds we are offering absolutely free a copy of this valuable little booklet, "Sweet Clover," or any of the other booklets listed on inside front cover.

## SWEET CLOVER—Continued

### MOUNTAIN GROWN CLOVER SEED

**MEDIUM RED CLOVER**—This is a good year to plant Red Clover. We have a plentiful supply of good Mountain Grown Red Clover seed and the price is cheaper than it has been for years. This Mountain Grown seed is excellent quality, nice, clean seed, and a good hardy strain. Postpaid 3rd zone. "Supreme," 1b. 30c; 10 lbs. \$2.00; 25 lbs. \$4.75; 50 lbs. \$9.00. "Ideal," 1b. 28c; 10 lbs. \$1.75; 25 lbs. \$4.25; 50 lbs. \$8.00. Not Postpaid, "Supreme," \$15.00 per 100 lbs. "Ideal," \$14.00 per 100 lbs.

**ALSIKE OR SWEDISH CLOVER**—It will stand poorly drained, cold, wet soils very well. Where the soil is slightly sour or acid be sure to sow Alsike. It is especially good in pasture mixtures on burned over timber lands. Postpaid 3rd zone. "Supreme," 1b. 30c; 10 lbs. \$2.25; 25 lbs. \$5.00; 50 lbs. \$9.00. "Ideal," 10 lbs. \$2.50; 25 lbs. 3.50; 50 lbs.

\$7.50. Not Postpaid, "Supreme," \$16.00 per 100 lbs. "Ideal," \$15.00 per 100.

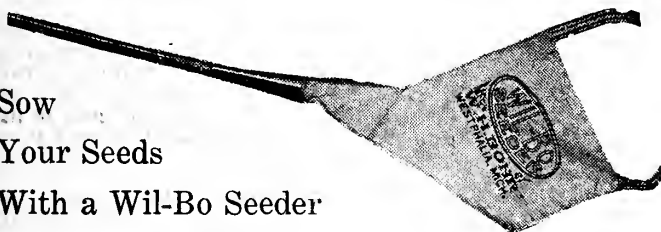
**MAMMOTH RED**—Similar in appearance to the Medium Red Clover but growing larger and maturing later in the season. We suggest a mixture of 6 lbs. of clover to 10 lbs. Timothy per acre. The seed of this variety cannot be distinguished from that of Medium Red Clover. Postpaid 3rd zone. "Supreme," 10 lbs. \$2.00; 25 lbs. \$4.75; 50 lbs. \$9.00. Not Postpaid, 100 lbs. \$16.00.

**LADINO CLOVER**—New clover similar to white Dutch clover only growing much larger. Recommended for pasture. Postpaid. Lb. \$1.00; 10 lbs. \$9.00.

**WHITE DUTCH CLOVER**—Used principally for lawn seeding but often used in pasture mixture. From 2 to 4 lbs. per acre is used for pasture mixtures. Postpaid. "Supreme," 1b. 60c; 10 lbs. \$5.50.

Write for Quantity Prices.

Sow  
Your Seeds  
With a Wil-Bo Seeder



All Field Seed Prices are Subject to Change Without Notice

POSTPAID \$1.25.

## Vetch

**WINTER OR HAIRY VETCH**—A fine legume for poor land for soil improvement. It is often grown in mixture with winter wheat or fall rye for hay or pasture, and planted alone as a cover crop for orchards. If sown alone, 30 to 40 lbs. are used per acre, or in mixtures with fall grain using one bushel of grain to 25 lbs. of vetch. The grain crop aids in supporting the vetch vines.

**SPRING OR COMMON VETCH**—This vetch produces larger seeds than the winter variety and should be planted in early spring, using 40 to 50 lbs. per acre. Fine for hay or pasture.

Freight extra on 100 lb. lots

	1 lb.	10 lbs.	100 lbs.
Winter Vetch .....	25c	\$1.75	\$12.00
Spring Vetch .....	20c	1.40	8.00

Inoculate your alfalfa, clover and vetch seed

## Soy Beans

Soy Beans have been tried out to considerable extent throughout the warmer sections of Idaho and are giving promise of becoming one of the staple crops for forage and grain feed supplement for live stock of all kinds. The two varieties proving the most adaptable to our conditions are the Manchu and Minsoy. Acclimated, seed has been proven to be far superior to seed brought in from other sections as it grows faster and ripens up even and some two weeks earlier than the Eastern seed.

For full information ask for Free Booklet on Soy Beans, given free with each purchase of \$10.00 worth of field seeds or a two

dollar order of vegetable and flower seeds.

Prices postpaid 3rd zone for either Manchu or Minsoy. Lb. 25c; 10 lbs. \$1.50; 25 lbs. \$3.50.



Vetch

## Rape

**DWARF ESSEX RAPE**—Rape is used for hog and sheep pasture, making a rapid growth of succulent feed. It is quite hardy and withstands frost. It is sown in early spring and also late summer, planting in rows to permit cultivation or sown broadcast. From 5 to 12 lbs. of seed is required per acre, depending upon the method of seeding. Rape belongs to the Cabbage family, easily grown and very cheap to plant. Postpaid 3rd zone. 1 lb. 25c; 10 lbs. \$1.50.



Growing Pigs Enjoy a Field of Rape

## Grasses

**TIMOTHY**—Timothy hay is in demand by lumber camps for horse feed. It grows best on low land which is well drained and free of surplus moisture. If sown alone use from 10 to 12 lbs. per acre and from 5 to 7 lbs. in mixture with other grasses. Postpaid. "Supreme," 1 lb. 20c; 10 lbs. \$1.25. Not Postpaid, 100 lbs. \$9.00.

**ORCHARD GRASS**—Orchard grass should be used in hay and pasture mixtures for dry land as it is hardy and drouth resistant. It starts early in the spring and produces pasture during the early fall. If sown alone 14 lbs. is required per acre. We suggest a mixture of Orchard Grass 5 lbs., Brome 5 lbs., and Slender Wheat 5 lbs. per acre for a permanent pasture on non-irrigated land, adding a few pounds of clover if a legume is desired. Postpaid. "Supreme," 1 lb. 25c; 10 lbs. \$2.00; 25 lbs. \$4.00; 50 lbs. 7.50. Not Postpaid, 100 lbs. \$12.00.

**BROME**—Brome Grass is a hardy sod-forming grass, very drouth resistant, and stands tramping. It is very palatable and nutritious. Postpaid. "Supreme," 1 lb. 25c; 10 lbs. \$1.75; 25 lbs. \$3.50. Not Postpaid, 100 lbs. \$12.00.

**RED TOP**—A fine stemmed hardy grass for wet land. If sown alone 6 to 8 lbs. per acre are used. Postpaid. "Supreme," 1 lb. 30c; 10 lbs. \$2.50. Write for quantity prices.

**MEADOW FESCUE**—A very hardy long-lived grass growing well on wet land as well as drier soils. It makes excellent pasture or hay. It requires about 15 lbs. per acre when seeding alone. Postpaid. 3rd zone. "Supreme," 1 lb. 25c; 10 lbs. \$1.75; 25 lbs. \$3.50. Not Postpaid, 100 lbs. \$10.00.

**SLENDER WHEAT**—A native grass of the northern Great Plains. It is very drouth resistant. It grows in bunches, maturing with timothy. The plants are very erect, leafy, and the heads small and slender. From 12 to 15 lbs. per acre should be used when seeding alone. Postpaid. "Supreme," 1 lb. 40c; 10 lbs. \$3.50. Write for quantity prices.

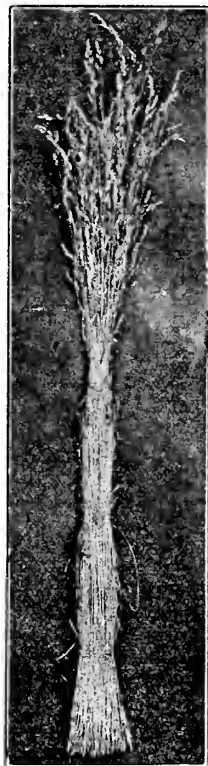
**SUDAN GRASS**—An annual grass suitable as a catch crop in areas where the growing season is warm and free of summer frosts.

It may be drilled in rows wide enough apart for cultivation. This method requires 10 lbs. of seed per acre. If drilled for pasture or broadcast, from 25 to 30 lbs. are required. Postpaid. "Supreme," 1 lb. 20c; 10 lbs. \$1.50; 25 lbs. \$2.75; 50 lbs. \$5.50. Not Postpaid, 100 lbs. \$7.00.

**SPECIAL MIXTURES**—We prepare and offer the following mixtures which are made up of clean seed of the varieties mentioned. They are well adapted to the locations for which they are recommended.

**Permanent Pasture Mixture**—Made up of: Orchard Grass; Brome Grass, Meadow Fescue, Rye Grass, and Sweet Clover, for use on the general run of farm land. Postpaid 3rd zone. 1 lb. 25c; 25 lbs. \$3.50; Not Prepaid, 100 lbs. \$12.00.

**Burned Over Mixture**—We have had many calls for a grass mixture for burned-over areas. For this we have made up a mixture of the following; Alsike Clover, Red Clover, Timothy, Orchard Grass, Brome Grass, Wheat Grass, Rye Grass, and Meadow Fescue. (No screenings used in this mixture). Postpaid, 10 lbs. \$1.75; 50 lbs. \$6.50. Not Postpaid, 100 lbs. \$10.00.



## GRASSES—Continued

**REED'S CANARY GRASS**—A rapid growing perennial suited to localities that overflow or are too wet for other grasses.

It makes a fine pasture and will make a big crop of hay about equal in feed value to timothy. Postpaid. Lb. \$1.00; 10 lbs. \$9.00.

**DOMESTIC RYE GRASS**—Is fine for quick pasture. Well adapted for making up mixtures for burned-over areas. Postpaid. Lb. 20c; 10 lbs. \$1.25; 25 lbs. \$2.50. Not Postpaid, 100 lbs. \$7.00.

### PREPARING THE LAWN

The generally used Blue Grass and White Clover mixture is quite satisfactory but does not produce the velvet-like appearance of some of the newer grasses which are being used in the best lawns.

In preparing the seed bed the soil should be thoroughly leveled to insure against its settling and the surface should be loose enough so that the seed will germinate readily. If the soil is light and sandy granulated Peat Moss should be mixed with the surface soil.

Lawn grass can be seeded very early in the spring and in many localities early fall seeding is satisfactory. If it is impossible to keep the surface moist, a light covering of straw or lawn clippings will protect the surface from baking. After the grass seed has germinated this cover can be removed.

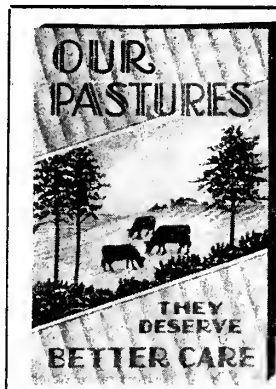
It requires about 1 lb. of lawn grass seed to 300 sq. feet of area. If you desire the very best lawn, we suggest using our Supreme Lawn Mixture which is made up of the best grade of grass seeds.

We believe that Bent grass should be used more generally for lawns, seeding it alone. An application of Vigoro followed by sprinkling will increase the vigor of the grass.

**KENTUCKY BLUE GRASS**—One of the most popular grasses for lawns. It produces a heavy sod, is winter hardy, and grows well where plenty of moisture is available. Postpaid. Lb. 40c; 5 lbs. \$1.75. Write for quantity prices.

**SOUTH GERMAN MIXED BENT**—A mixture of Bent grasses used for golf greens and lawns. This grass makes a very firm sod. The foliage is fine and velvety when kept clipped. Postpaid. Lb. \$1.15; 5 lbs. \$4.50. Write for quantity prices.

**ASTORIA BENT**—This species of Bent grass was discovered in the fields near Astoria, Oregon and was given that name. It is one of the best species of Bent as the



### FREE

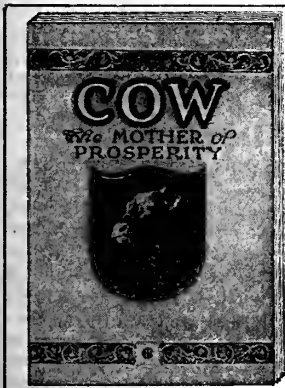
This valuable booklet on pastures will be given Free with any \$5.00 order of field seeds, or a \$2.50 order of garden and flower seeds. If you have no more than one acre of pasture you should have this booklet.

leaves are very fine in texture and dark green. This Bent does well on high ground where moisture can be supplied and makes a beautiful sod. Postpaid. Lb. \$1.00; 5 lbs. \$5.00. Write for quantity prices.

**CHEWINGS FESCUE** — A New Zealand grass of fine grayish green foliage, which is very tough and wiry. It is used in mixtures on golf fairways and on lawns subject to heavy wear. The grass must be clipped often and given an abundance of water so that it will retain its color and heavy turf growth. Postpaid. Lb. 65c; 5 lbs. \$3.00. Write for quantity prices.

**WHITE DUTCH CLOVER**—Should be used in mixtures for lawns in need of soil improvement. This clover is a long lived perennial and generally reseeds sufficiently so that it increases yearly. Postpaid. Lb. 55c; 5 lbs. \$2.50. Write for quantity prices.

**SUPREME LAWN MIXTURE**—This is our own mixture developed after careful trials. We believe it best for general purposes, as it makes a fine velvety lawn that withstands hard use. It is composed of the grasses listed above, in the right proportion for best results. This mixture is made from the best stock and does not contain chaffy seed. Postpaid. 5 oz. 35c; 14 oz. 75c; 5 lbs. \$3.50; 10 lbs. \$6.50.



### FREE

This valuable booklet given Free with a \$5.00 order of field seeds, you should read this booklet, it is interesting and instructive.

## Sunflowers

Sunflowers may be used as a silage crop. Experiments show that the quality and feeding value of the silage is comparable to that made from well matured corn. Under similar conditions sunflowers will outyield corn. Sunflowers, when grown for silage, may be drilled thickly in the row by the use of a grain drill, stopping some of the drills to permit cultivation of the crop. They may be sown with a corn planter, spacing the plants from 8 to 10 inches in the row. If a seed crop is desired the plants should be spaced at least two feet in the row.

**MAMMOTH RUSSIAN**—One of the largest varieties with a heavy growth of leaves and large heads. The seeds are striped with black and gray color. Postpaid. Lb. 25c; 10 lbs. \$1.50. Not Postpaid, 100 lbs. \$12.00.

# Field Corn

7 to 8 pounds of seed required per acre

Our selection of corn varieties is made to meet a wide range of growing conditions

## THAYER YELLOW DENT

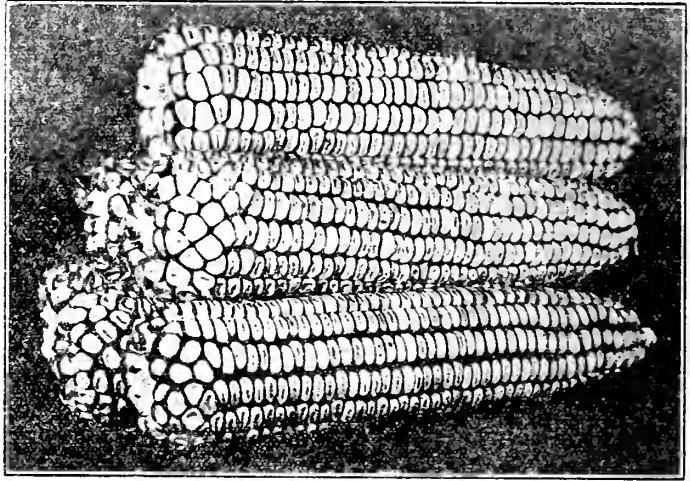
—Our strain of this variety was developed by the Agronomy Department of the Washington State College and is very early, producing a heavy yield of forage. One of the best early varieties for this section. Postpaid, Lb. 15c; 10 lbs. 90c; 25 lbs. \$2.00. Not Postpaid, 100 lbs. \$4.00.

## MINNESOTA NO. 13—A

familiar variety developed in the northern part of the corn belt. It is hardy, producing a good leaf growth and nearly as early as Rustler and Thayer. Postpaid, Lb. 15c; 10 lbs. 90c; 25 lbs. \$2.00. Not Postpaid, 100 lbs. \$5.00.

**PRIDE OF THE NORTH**—This corn is medium early in maturing, producing a heavy yield of silage but requiring a somewhat longer growing season than Thayer Yellow Dent. The ears are larger than those of Minnesota 13 with a greater depth of grain. Postpaid, Lb. 15c; 10 lbs. 90c; 25 lbs. \$2.00. Not Postpaid, 100 lbs. \$5.00.

**RUSTLER'S WHITE DENT**—Our stock seed was secured from the Agronomy Department of the University of Idaho where it has been under constant selection and improvement for many years. It is early in maturity, develops a good growth of stalk and medium size ears. Postpaid, Lb. 15c;



Idaho Yellow Dent

10 lbs. 90c; 25 lbs. \$2.00. Not Postpaid, 100 lbs. \$5.00.

**IDAHO YELLOW DENT**—We have a fine strain of Idaho Yellow Dent, grown in Northern Idaho at an elevation of 2500 feet. This corn has been selected and grown in the same locality for years. If you want real early maturing corn, and one that will give a good yield, order this stock. Prepaid, Lb. 15c; 10 lbs. 90c; 25 lbs. \$2.00. Not Postpaid, 100 lbs. \$4.00.

**IDAHO WHITE DENT**—Ears are large and uniform, with grain of good depth, very early and a heavy yielder. Postpaid, Lb. 15c; 10 lbs. 90c; 25 lbs. \$2.00. Not Postpaid, 100 lbs. \$4.00.

## Spring Grains

### Hulless Oats

Hulless oats grow like common oats and look much like them in the field but when threshed the hulls separate from the oat kernel leaving the bare meat.

They make the finest poultry feed that can be raised on the farm. They will take the place of oat groats for the young chicks and turkeys and are claimed by many to equal the prepared rolled oats that we use for breakfast food and have been in the habit of buying from the store at a high price. Postpaid, 1 lb. 20c; 10 lbs. \$1.00. Not Postpaid, 100 lbs. \$3.50. Lower grade for feed only, 100 lbs. \$2.50.

**MARKTON**—A smut resistant white oat which has produced maximum yields throughout the northwest on irrigated as

well as nonirrigated land. It is medium late in maturity. The grains are medium in size, with a very thin hull, producing very few double grains. Our stock of Markton oats was grown on our own seed farm, and is very high quality. Postpaid, 10 lbs. 80c. Not Postpaid, 100 lbs. \$2.00.

### Flax

**FLAX** is grown to a limited extent throughout the northwest for grain. In the Willamette Valley in Western Oregon, it is grown for fibre. It should be planted much more extensively throughout the Inland Empire on land free of weeds after frost danger is past, seeding about 30 lbs. per acre. Yields as high as 30 bushels per acre under favorable conditions and pays better than grain. Postpaid, Lb. 20c; 10 lbs. \$1.25. Not Postpaid, 100 lbs. \$3.50. Write for quantity price.

## SPRING GRAINS—Continued

### Barley

**WHITE HULLESS**—White Hulless Barley is grown for hay as well as grain. It can be planted with peas and grown for silage as well. Because of its being beardless it is desirable as a hay crop. Postpaid. 10 lbs. \$1.00. Not Postpaid, 100 lbs. \$2.00.

**BEARDLESS**—This barley matures early and is used for hay and for silage. The grains have short points at the top instead of long barbed-like beards. Postpaid. 10 lbs. 90c. Not Postpaid, 100 lbs. \$1.75.



Alaska Peas

### Rye

**WINTER RYE**—Winter Rye is often planted in the spring for pasture. Some farmers sow 20 to 30 lbs. Winter Rye with Sweet Clover in the early spring to reduce the chance of bloat in live stock and to increase the feeding value of the pasture.

**SPRING RYE**—Similar to the Winter variety except that it matures a grain crop when planted in the spring. The straw is not so heavy as in the winter variety but the grains are similar in size.

Either variety. Postpaid, 10 lbs. 90c; 50 lbs. \$2.50. Not Postpaid, 100 lbs. \$1.50.

### Field Peas

All of our peas are thoroughly fumigated and cleaned to remove weevil and are put up in excellent condition for seed. You cannot afford to plant seed that is not treated and properly cleaned.

**ALASKA**—An early maturing pea with slender vines growing to a height of 2 feet. The pods are straight, blunt, and well filled, all maturing at about the same time. The seed is smooth, round, dimpled, and of light blue color. Not Postpaid. 100 lbs. \$4.00  
Write for prices on larger quantity.

**BLUE BELL**—The plants of this are more stock in habit of growth and later than the Alaska. The pods are larger and produced in clusters toward the top of the plant. The seeds are large, smooth, and of light blue color. Not Postpaid. 100 lbs. \$4.50.

### Field Beans

Prices Not Prepaid

	100 lbs.
Red Mexican .....	\$3.00
Red Kidney .....	3.00
Small White .....	2.50

Prices Subject to Market Changes

All F. O. B. Lewiston, Idaho

## Red Steer Fertilizers

Each year we are realizing more and more the value of good commercial fertilizer. Many crop failures and unprofitable crops are due directly to lack of proper plant food in the soil. All fertilizers contain three essential plant foods: Nitrogen, Phosphoric Acid, and Potash. In naming the amount of plant foods available in fertilizer they are named always as given above, that is, a fertilizer that is called 2½-10-20 contains 2½ per cent nitrogen, 10 per cent phosphoric acid and 20 per cent potash. All of our analysis are given for soluble or available plant food only. Unavailable plant foods are of no value to you. We also carry the separate plant food fertilizers.

**O-10-20**—For Apples producing green fruit and too much wood growth; where nitrogen is plentiful. Comes in 125-lb. bags; per cwt. \$2.60; per ton \$50.00.

**3-10-10**—A good all-round fertilizer where conditions are normal. 125-lb. bags; per cwt. \$2.60; per ton \$50.00.

**2.5-10-20**—Soft Fruit Crops where better set and quality is desired. 125-lb bags; per cwt. \$2.90; per ton \$56.00.

**MURIATE OF POTASH**—This fertilizer is especially valuable to fruit trees and berries. 100 lbs. \$3.00; write for quantity prices.

**BONE MEAL FERTILIZER**—This is finely ground and of best quality. Used for lawns, roses, shrubs and trees. Not very quick in action and should be applied in the fall or very early spring. Use 1,000 to 2,000 lbs. per acre. 5 lbs. 30c; 10 lbs. 50c; 100 lbs. \$3.00; write for ton prices.



## FERTILIZERS—Continued

**NITRATE OF SODA**—It is very quick in action, stimulating rapid growth. Being quickly soluble, it should not be applied until spring on garden truck. Lb. 15c; 5 to 10 lbs. at 7c; 15 to 25 lbs. at 6c; 100 lbs. \$3.50. Write for quantity price.

**SUPERPHOSPHATE** — This is what is known as acid phosphate, being phosphate rock that has been treated or processed, to make the phosphoric acid available. Has become very popular among grain and fruit growers. Use at the rate of 300 lbs. and up per acre. 100 lb. sks. \$2.00; 5 to 10 sk. lots at \$1.75; Ton price, write.

**LAND PLASTER (Gypsum)**—An indirect fertilizer as it releases plant food and changes soil conditions. Used largely on clover and alfalfa. 100 lbs. \$1.00; \$14.00 per ton. F. O. B. Lewiston.



### HANDY FERTILIZER SPREADER

for the home garden and lawn, \$8.50.

Spreads the fertilizer evenly and avoids the disagreeableness of hand spreading

**SULPHATE OF AMMONIA** — Strong in nitrogen. Will stimulate growth almost immediately. Lb. 10c; 5 lbs. 30c; 25 lbs. \$1.10; 100 lbs. \$3.50.



**Vegetables..**  
**10 days earlier"**

### VIGORO PRICES

100-lb. bag .....	\$5.00	5-lb. bag .....	.50
50-lb. bag .....	3.00	12-oz. pkg. ....	.10
25-lb. bag .....	1.75	F. O. B. Lewiston	

## Insecticides and Fungicides



**"EVERGREEN." NONPOISONOUS INSECTICIDE**  
Sure Death to Plant Insects—Harmless to Man, Birds and Animals

A sure killer of most plant insects—and yet offers no poison whatever to human beings, livestock or birds—it is positively not a poison. The active principle is Pyrethrum, or insect powder, which has the valuable property of being deadly to nearly all insects. Especially recommended for killing cutworms, green flies, white flies, thrips, leaf hoppers, currant worms, aphids, rose chafer, rose slugs, pear slugs, mealy bugs, mites, red spiders, Japanese beetles, leaf tiers, potato beetles, squash beetles (stink bugs), aster beetles, bean beetles, cucumber beetles, ants, plant lice, and melon bugs.

### Prices Not Postpaid

1 oz. bottle .....	\$ .35	6 oz. bottle .....	\$1.00
16 oz. bottle .....	2.00	32 oz. bottle .....	3.50
1 gal. bottle, \$13.00. Can be mailed.			

### CYAN-O-GAS

Used to control ground squirrels. Sure to get them. Also used effectively on ants, rats and insects. Comes in granular form or dust to use in dust gun.

Prices F. O. B. Lewiston. Cannot be mailed

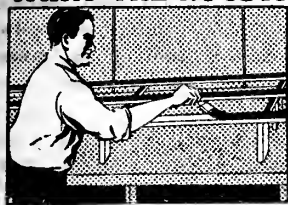
### SIZE CONTAINERS

	1/2 lb.	1 lb.	5 lbs.	25 lbs.	100 lbs.
Granular .....	50c	75c	\$2.00	\$6.00	\$20.00
"A" Dust .....	50c	75c	2.00	6.00	20.00



## INSECTICIDES and FUNGICIDES—Continued

### PAINT THE ROOSTS



### WITH BLACK LEAF 40

**BLACK LEAF 40** — Destroys aphids, thrips, leaf hoppers on all trees, bush and vine plants, vegetables, field crops, flowers, shrubs; also apple red bug, pear psylla and similar soft-shelled sucking insects—without injury to foliage. It is also a control for poultry lice by painting the roosts with it. Combines readily with other sprays. 40% nicotine. Not mailable.

1 oz. 6 gal. spray .....	\$ .35
5 oz. ....	1.00
1 lb. ....	2.25
2 lbs., 160 to 500 gal. spray .....	3.35
10 lbs., 800 to 2500 gal. spray .....	10.75

**DRY LIME SULPHUR**—Baume lime and sulphur converted into a dry powder but having all the effectiveness of the liquid product when dissolved in water. For use on dormant spraying against scale, peach blight, leaf curl and twig borer. Summer spraying against scab, soot, blotch, red spider and mite. Not Postpaid.

1 lb. ....	.25	25 lbs. ....	\$ 3.50
5 lbs. ....	.90	50 lbs. ....	6.00
10 lbs. ....	1.75	100 lbs. ....	11.00

**ARSENATE OF LEAD (Dry Powder)** — Contains only arsenic and lead oxides. No fillers. Mixes quickly and easily — stays mixed longer and sticks better to leaves, branches and fruit than any other arsenate. A light, fluffy powder than cannot freeze, dry out, cake or lose its strength—carries the highest possible percentage of arsenic oxide, 33%—is always uniform and requires only 1 lb. to 50 gallons of water. Efficient, economical and convenient. Highest percentage of killing power. Not mailable. ½ lb. 20c; 1 lb. 35c; 4 lbs. 60c.

### INCREASE FARM PROFITS AND GARDENING PLEASURES

Prevent Disease Losses by Using Du Bay Seed Disinfectants

**SEMESAN** — for vegetable and flower seeds. Diseases often reduce germination and result in a poor stand, lowered quality and reduced yield of vegetables and flowers. Kill these harmful disease organisms on the seed with Semesan before planting. Semesan may be applied as a dust or liquid and is harmless to seeds. Effective in



controlling damping-off of seedlings and certain cuttings. Full directions in can for use on vegetable and flower seeds and bulbs. 2 oz. 50c; 1 lb. \$2.75; 5 lbs. \$13.00; 25 lbs. \$56.25.

**SEMESAN BEL**—for seed potatoes. Potato diseases cause a loss equivalent to the yield of one acre in every five or six acres planted. Much of this loss can be prevented by treating seed before planting with Semesan Bel, the instantaneous dip disinfectant. Effective in controlling such seed-borne diseases as scab, rhizoctonia and black leg. Protects seed piece from rotting caused by certain soil borne organisms, improves germination and usually produces a bigger crop of better quality. One pound treats 16 to 22 bushels of seed. Not mailable. 4 oz. 50c; 1 lb. \$1.75; 5 lbs. \$8.00; 25 lbs. \$13.25.

**COPPER CARBONATE** for treating wheat —Eighteen per cent copper carbonate is used in dry areas where less danger of smutting is encountered. 5 lbs. 75c; 30-lb. case \$4.50.

**50 PER CENT COPPER CARBONATE**—Used generally by farmers of this section. Universally accepted as best wheat treatment for smut. Sherwin-Williams Brand. 5 lbs. \$1.00; 10 lbs. \$2.00; 40-lb. case \$7.20. Not mailable. Price F. O. B. Lewiston.

**DR. WILSON DUST MASK**—Protects you from Copper carbonate while mixing with wheat. Postpaid. Each \$2.25.

**FILTER PADS FOR DUST MASK**—100 pads \$1.15. Postpaid.

**ANTROL** for sweet eating ants—the kind that infest the house and are frequently seen on plants and trees. This is a complete system adapted to any size house, composed of small glass containers and special Antrol syrup. The containers are partially filled with syrup and then placed about the outside edges of the house. Ants smell the mildy poisonous syrup, eat it and then transmit it to their queen. Soon the entire ant nest is destroyed.



Prices—Antrol sets containing 4 containers and 1 4-oz. bottle of syrup....	\$ .95
Antrol extra containers (each) .....	.15
Antrol syrup, 4 oz. bottles .....	.45
Antrol syrup, pints .....	.95
Antrol syrup, gallons .....	3.75

Note — Enough containers and syrup should be purchased to place one container every 15 feet around the house or along ant "trails" in the garden. Not mailable.

### FROST PROOF CABBAGE PLANTS

Postpaid 3rd zone. 1 dozen, 35c; 100, 90c; 500, \$4.00. Not Postpaid. 1000, \$5.00; 5000, \$20.00.

## INSECTICIDES and FUNGICIDES—Continued

**CHEMICAL WEED KILLERS (SODIUM CHLORATE)**—Sodium Chlorate is the most effective chemical known for the eradication of noxious weeds. This fact has been demonstrated many times by tests carried on by several of our leading agricultural experiment stations. Mixed with water and sprayed thoroughly on leaves and stems of Morning Glory, Canada Thistle and Quack Grass, and many other enemies of the farmer, it will work wonders.

Apply after the plants have reached the stage of early maturity. Best results will be obtained if the ground is left unplowed and uncultivated the season in which the Sodium Chlorate is to be applied.

Sodium Chlorate when combined with combustible material is dry and inflammable, by using precautions that are necessary in using other inflammable materials, which are in use daily, this danger is easily avoided. Lb. 20c; 10 lbs. \$1.75; 25 lbs. \$4.00; 112 lb. drums \$13.44. F. O. B. Lewiston.

**ATLACIDE**—Combination of chemicals in which Sodium Chlorate is used. Is recommended very highly as weed killer and is used same as Sodium Chlorate. Mixed with water and sprayed on weeds at rate of 1 lb. per gallon of water. 50 lbs. \$6.00; 100 lbs. \$12.00; 200 lbs. \$23.00. Prices are all F. O. B. Lewiston.



### BORDEAUX MIXTURE

—Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungus diseases. It stimulates plant growth and greatly increases the harvest. Almost every kind of vegetable, fruit and shrub can be greatly improved by the

early use of Bordeaux Mixture. 1 lb. carton 35c; 5 lb. can \$1.00; 100 lb. drum \$10.00.

F. O. B. Lewiston

**BLUE STONE (Vitrol)**—Lb. 15c; 10 lbs. \$1.25.

**VOLCK**—In greenhouses and out of doors, for all types of plants and the tenderest of flowers, this material has proven effective. It leaves the foliage bright and glossy. For killing Red Spider in all stages—eggs, nymphs and adults, Volck gives a complete kill and a prolonged control. Being non-poisonous to people and animals, it is a very pleasant material to use. Use Volck for Cyclamen Mite, White Fly, Aphis (Green Fly), Thrips, Mealy Bugs, Scales, Midge, Mildews and Rusts. Complete instructions with each can. One pint Volck makes 10 gallons spray. Three level teaspoonfuls makes 1 gallon. Prices— $\frac{1}{2}$ -pint 50c; pint 75c; quart \$1.00; gallon \$3.00. Small cans will be mailed if you add postage.



**PARIS GREEN**—is a strong effective poison for leaf eating insects. Not mailable.  $\frac{1}{4}$ -lb. fibre carton 20c; 1 lb. fibre carton 50c. Not mailable.

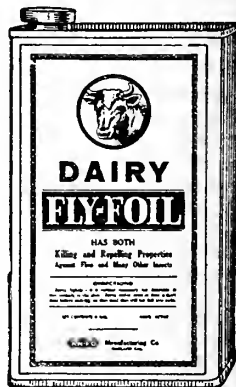
**GRAFTING WAX**—The old standby of orchardists in the Northwest. Made after a special formula and packed in convenient package with instructions for use.  $\frac{1}{4}$  lb. 25c;  $\frac{1}{2}$  lb. 35c; 1 lb. 50c. Add postage.

**DUSTING SULPHUR**—Sublimed Velvet Flowers of Sulphur. All of the desirable qualities of dusting sulphur are combined in this product. It is 100 per cent pure and has great bulk or volume per pound, its fluffy, light particles always remain free running, it never cakes or hardens. Its spider-web like texture enables it to adhere not only to the upper but also to the under side of the foliage. The gas formed by the "fuming" action is often noticeable for a great distance from the treated area. Its effectiveness cannot be surpassed. Lb. carton 25c; 10 lb. carton \$1.50.

### DAIRY FLY-FOIL

Double-Acting. Both Kills and Repels Flies

Dairy Fly-Foil has proven itself the most desirable fly spray for dairy use, because it is double-acting. Dairy Fly-Foil not only kills the flies on cows, and in the barn with which its mist comes in contact, but actually repels the flies, and keeps the cows free from the fly annoyance for many hours. Qt. 50c;  $\frac{1}{2}$  gal. 90c; gal. \$1.50.



### KOW KARE

Wonderful remedy for cows. Sold in two sizes, 65c and \$1.25.

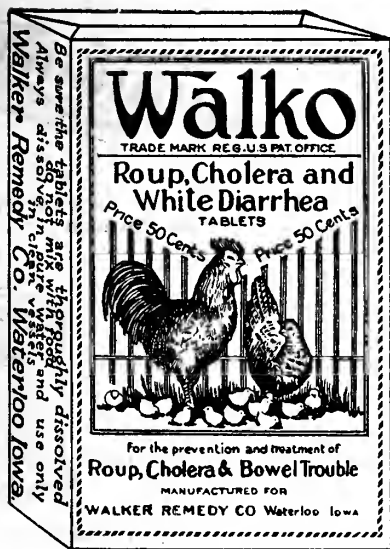
### BAG BALM

Can, 60c.

**GRANGE GARGET REMEDY**—Manufactured by the Dairy Association, for that serious disorder peculiar to cows, and which is a disease by itself. Grange Garget Remedy goes scientifically to the seat of the trouble. Can, 65c.

All items on this page are quoted  
F. O. B. Lewiston

# houn Poultry Remedies and Supplies

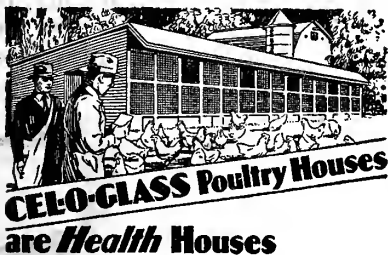


**WALKO**—The safe way to raise your chicks. Also used for older chickens. Place in drinking water or milk. Tablets postpaid. Per box, 50c.

**POULTRY PEPPER**—In cold, wet weather it gives tone to the system, puts vim and snap into the birds, and is a great help to egg production. Postpaid. Carton, 12-oz., 25c.

**VITA BRAND COD-LIVER OIL**—The importance of vitamins in the rations of poultry and livestock has been quite clearly defined during recent years. Especially are the fat soluble vitamins, A, and D, important in the maintenance of bodily vigor and prevention and cure of diseases. 5 gal. cans, \$9.00; 1 gal. can, \$2.00; quart cans, 85c. Postpaid.

**TOBACCO POWDER** — A very effective agent for controlling round worms in poultry. Used also quite generally in the dust bath for body vermin, and a very effective fumigant when burned in poultry houses. Postpaid. 1 lb. 20c; 10 lbs. \$1.50.



**CEL-O-GLASS** — Better than glass for poultry houses. Comes in rolls, 3 by 100 feet. Sold by running foot, 1x3. Not Postpaid. Per ft. 40c; per roll \$38.00.

**TOE PUNCH**—Popular for marking baby chicks Each 20c.



## SPIRAL LEG BANDS



Hen, Pullet and Chick Sizes — Comes in assorted colors; in ordering state color preferred. 50 in bundle. Postpaid. 1c each; 50 for 35c; 100 for 65c.

**BANDETTES**—Used where numbering is desired. Easy to place on chickens. Postpaid. Boxes, 25 per box ..... \$ .50  
100 for ..... 1.85

## EGG SCALE



Egg grading will get you higher prices for your eggs. Weighs all grades. Postpaid. Each \$1.00.



## GIZZARD CAPSULE

**Five Times as Effective—Easy to Give**  
The Gizzard Capsule is five times as effective as worm medicines given in the feed and water, which dilutes and weakens them. It is from three to three and one-half times as effective as soluble capsules dissolving in the crop, or liquids deposited in the crop with a syringe.

Eight-five per cent of poultry troubles are of intestinal origin through the development of worms and bacteria. Before the invention of the Gizzard Capsule by Geo. H. Lee, it was practically impossible to efficiently rid chickens of worms, because a worm medicine given by the mouth, the only possible way, had first to pass through the crop, stomach and gizzard and was largely absorbed, its strength and potency wasted, before it reached the worm-infected intestines.

# POULTRY REMEDIES AND SUPPLIES—Continued

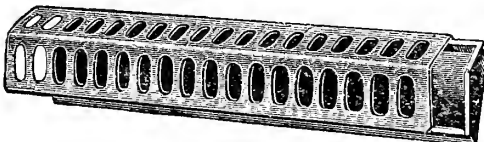
## LEE PRODUCTS

	SIZE	ROCKY MT. AND WEST'N STATES	POST. EXTRA 3RD ZONE
LEE'S GERMOZONE (Liquid)....	4-oz. bottle	\$ .40	.05
" " .....	12-oz. bottle	.75	.10
" " .....	32-oz. bottle	1.50	.16
" " .....	* 1/2-gal. bottle	2.50	.24
" " .....	* 1-gal. bottle	4.50	.38
<b>THE GIZZARD CAPSULE</b>			
Adult Size .....	50-cap. pkg.	1.00	Paid
" " .....	100 cap. pkg.	1.75	Paid
" " .....	250 cap. pkg.	4.00	Paid
" " .....	500 cap. pkg.	7.00	Paid
" " .....	1000 cap. pkg.	12.00	Paid
Pullet Size .....	50 cap. pkg.	.75	Paid
" " .....	100 cap. pkg.	1.35	Paid
" " .....	250 cap. pkg.	3.00	Paid
" " .....	500 cap. pkg.	5.00	Paid
" " .....	1000 cap. pkg.	9.00	Paid
Chick Size .....	50 cap. pkg.	.50	Paid
" " .....	100 cap. pkg.	.90	Paid
" " .....	250 cap. pkg.	2.00	Paid
" " .....	500 cap. pkg.	3.50	Paid
" " .....	1000 cap. pkg.	6.00	Paid
LEE'S FLU-KOFF EMULSION....	12-oz. bottle	1.25	.10
" " " " .....	32-oz. bottle	2.25	.16
" " " " .....	* 1/2-gal. bottle	3.75	.24
" " " " .....	* 1-gal. bottle	7.00	.38
Poultry Dosing Syringes .....	1-oz. cap.	.30	Paid
LEE'S VAPOSPRAY .....	1-qt. can	.75	.12
LEE'S LICE KILLER .....	1-qt. can	.60	.12
" " " " .....	* 1/2-gal. can	.90	.18
" " " " .....	* 1-gal. can	1.50	.28
LEE'S LOUSE POWDER .....	1lb. can	.30	.10
" " " " .....	2 1/2-lb. can	.60	.12
LEE'S DIP and DISINFECTANT..	1-qt. can	.75	.12
" " " " .....	* 1/2-gal. can	1.25	.18
" " " " .....	* 1-gal. can	2.00	.28
" " " " .....	* 5-gal. can	8.00	.96
LEE'S HOG OIL WORMER .....	1-qt. bottle	2.25	.16



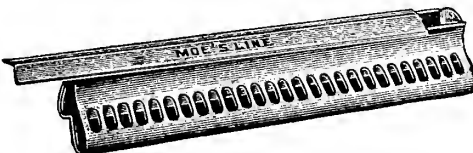
**ECLIPSE FEEDERS**—Heavily tinned and can be used for buttermilk or mash feeding. Not Postpaid.  
20 inch feeder ..... 35c

## NEW STYLE FEEDERS

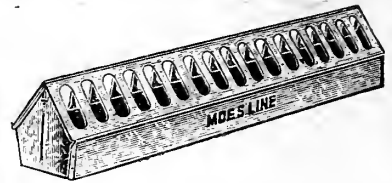


A large capacity chick feeder. Not Prepaid.  
36 in. feeder.....80c      24 in. feeder.....60c

## LARGE CAPACITY FEEDERS



No. 140—21 in. ....\$1.35      No. 141—35 in. ....\$1.90



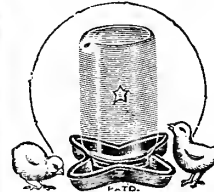
Large capacity for growing pullets.  
Not Postpaid  
36 in. length .....\$1.20

## WATER FOUNTAIN

New large capacity  
chick and growing  
pullet water foun-  
tain. Not Postpaid.  
2 gal. ....95c



## STAR FOUNTAINS



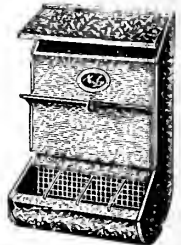
Fits any Mason  
jar and can be  
used with  
either quart or  
half gallon  
jars. Chicks  
cannot get wet  
in this foun-  
tain. Not Postpaid.

Each ..... 10c  
6 for ..... 50c  
Dozen ..... 95c

## DRY MASH HOPPERS

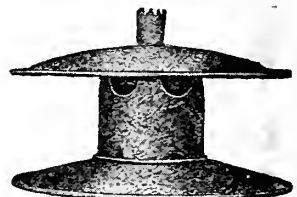
Wall hoppers  
for all sized flocks  
of chickens.

Price per each  
12 in. front, \$1.00  
24 in. front, \$1.75



**LEG BANDS**—Numbered. Alum-  
inum. Adjustable. Per doz. 15c; 25  
for 25c; 50 for 40c; 100 for 75c.

## PUTNAM BROODER STOVE



An oil burner that is good to  
use for small bunches of chicks.  
Full instructions for making small  
brooder. Each, \$4.75.

# Queen Incubators and Brooders

NEW LOW PRICES

Prices F. O. B. Lewiston

Special Low  
Price 1933



Standard

No. 21K, 130 Egg .....	\$21.60
No. 25—Standard, 600 Egg .....	73.30
No. 35—Standard, 825 Egg .....	90.00

## COAL BROODERS

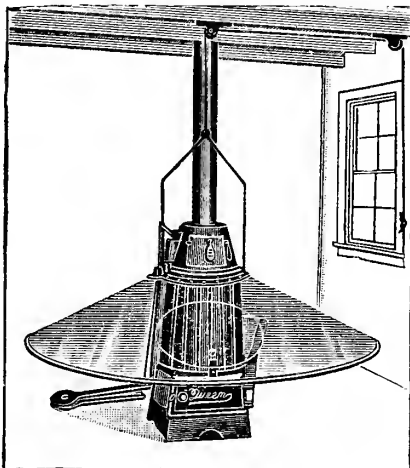
No. 1—42 in. canopy,  
Special price \$16.50.

## QUEEN OIL BROODERS

No. 52—500 chick oil burner .....\$16.75

## EXTRAS AND REPAIRS—Postpaid

Wafers, 3 in. for "K" and Brooder Stoves.....	\$ .60
Wafers, 4 in. for Standard Queen Incubators..	.85
Thermometers, Incubators .....	1.00
Thermometers, Brooders .....	.60
Combination flue for incubator .....	.50
Lamp complete for "K" Machine (state size and model) .....	2.00
Lamp complete for Standard (state size and model) .....	2.50
Expansion Cup (state size and model) .....	.75
Regulator Complete .....	3.50
Wicks, blue flame, each 5c; per dozen .....	.50
Turning Trays, small .....	4.50
Turning Trays, large .....	6.50



Brooder Stove

## SIMPLICITY OIL BROODERS

Simple oil burner of rigid construction. Wire edged canopy and brazed oil lines. No leveling or priming.

32 in. Canopy .....	\$ 9.50
42 in. Canopy .....	10.50
52 in. Canopy .....	11.50

## ELECTRIC BROODERS

Holds heat and gives chicks oxygen. Four points by which you can judge brooder stove are: (1) Insulation. (2) Circulation. (3) Positive Regulation. (4) Economy.

42 in. canopy .....	\$15.00
52 in. canopy .....	20.00
62 in. canopy .....	25.00

## JUNIOR ELECTRIC

A small electric brooder that can be used for brooding a few chicks in the back yard.

22 in. canopy .....	\$3.25
30 in. canopy .....	6.50

## The MaKomb Gro-Mor Brooder

A low-priced Primary Brooder—fibre box and wire screen floor. made durable, waterproof, and equipped with feed and water pans. The box is removable and can be replaced at nominal cost. Inside dimensions are 20"x24" by 7½" high, giving ample head room for chicks 3 to 4 weeks old.

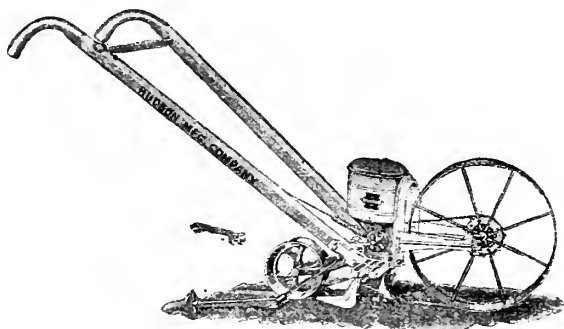
With box removed, wire screen provides sanitary floor for feeders. Feed openings adjustable. A most attractive item. Electric equipment consists of 10 feet of cord, plug and socket. No bulb furnished.

### Gro-Mor Specifications

	Shipping Weight	Price Each
20x24 inch Gro-Mor Electric Brooder .....	8 lbs.	\$2.75
20x24 inch Gro-Mor Non-Electric Brooder .....	8 lbs.	2.00

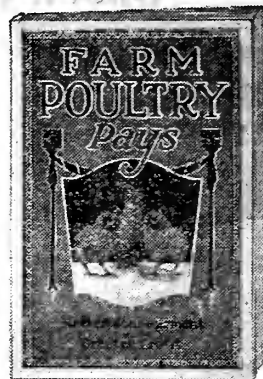
# Hudson Garden Tools

## No. 205 Hill and Drill Outfit



The Hudson No. 205 is a hill and drill seeder only, but can be converted into a single or double wheel combination tool by adding the necessary parts. Packed 1 in a wooden box. Handles bundled separately. This combination can be made into the No. 201 master tool, by assembling the necessary parts.

No. 205 Seeder, wt. 44 lbs.....\$14.00



### FREE

This valuable booklet on Farm Poultry given absolutely **FREE** with order for 100 chicks or more, or with \$3.00 order for garden and flower seed, or \$10.00 order of field seed.

## Hudson Cardinal Sprayer (Continuous)



The HUDSON CARDINAL Sprayer is particularly effective for handling Fly Oils in the Dairy Barn, Milk House, Creamery, etc.; preparations to eradicate Lice, Mites and diseases in the Poultry House; oils and insecticides in the Hog House; Insecticides, Disinfectants, Deodorants, and similar preparations in schools, theatres, clubs, office buildings, hotels, restaurants, and similar places.

The Variable nozzle enables the operator to instantly change the proportions of compressed air and liquid to suit the density of the liquid used, or the work to be done. Produces any desired spray from finest fog to solid stream. Removing the nozzle makes the spray tube and ball check valve immediately accessible, a feature found only in Hudson Continuous Sprayers. All working parts are brass.

**Pump.** 1½ inches, 16 inches long. Recessed into top of tank and securely soldered.

**Tank.** Heavy galvanized steel, 5½ inches diameter, 6¾ inches long. Capacity approximately 3 quarts. Double seamed and thoroughly soldered. Carefully air tested and inspected. Large screw cap for convenience in filling.

No. 435. CARDINAL, Tin Pump, Galvanized Tank .....\$1.50

Postage extra, 25c.

# Sprayers

## HUDSON LEADER No. 192-G

An efficient, durable compressed air sprayer at a very moderate price. Tank holds 3¾ gal. All seams are heavily soldered, side seam riveted. Has T-shaped handle, friction type top. Pump is seamless brass tube with bronze valve. Discharge equipment includes 20-inch hose, automatic shut-off and 12-inch brass extension rod. A splendid machine for whitewash, cold water paints, Paris Green and other fungicides. Not Postpaid. Wt. 11 lbs. Each .....\$3.85

**HUDSON THRIFTY, No. 120-G**—A compressed air sprayer of small capacity for the home, owner, back yard gardener, etc. Especially desirable for women because of its lighter weight. Holds 2 gallons. Tank riveted at side seam and soldered at top and bottom seams. Has malleable T handle and cap. Same discharge equipment as on **Leader**. Pump of seamless brass tube with ball valve. Not Postpaid. Wt. 10 lbs. Each .....\$3.70

The **HUDSON ECONOMY** is a high quality, well made compressed air sprayer at a very moderate price. Tank holds four gallons. Handle and top are malleable. Pump is seamless brass tube. Discharge equipment includes hose, brass extension, automatic shut-off and brass nozzle. Handles Paris Green, Arsenate of Lead and other liquid insecticides. **No. 125 Economy**, Wt. 11 lbs. Each .....\$5.00

**HUDSON CRITIC SPRAYER (Continuous)**—The Critic is a continuous sprayer which very effectively handles insecticides, disinfectants, deodorants, fly oils, exterminators, penetrating oils and similar preparations. It is extensively used in homes, schools, hotels, clubs, theatres, and other public buildings; in the dairy barn, the hog house, the poultry house, garages and numerous other places.

Variable nozzle is instantly adjusted for any



solution, or any type of spray from finest fog to solid stream. Removing the adjustable nozzle cap instantly releases the spray tube for removal, a feature found in no other type of continuous sprayer. All working parts are brass.

**Pump.** 1¼ inches diameter, 15 inches long. Fitted with Hudson plunger leather and heavy rod.

**Tank.** 4 inches diameter, 4½ inches high; capacity approximately one quart. Lock seamed and thoroughly soldered throughout. Carefully air tested and inspected.

**No. 427 Critic, Tin** ..... 85c  
Postage 15c extra



**HUDSON BANTAM SPRAYER (Formerly Household).** Glass Jar Sprayer—The Bantam is particularly designed for household uses. Handles fly oils, moth preventives, and all household insecticides and disinfectants very well. Compact, sturdy construction. Ordinary ink bottle detaches for convenient filling.

**Pump.** 1¼ inches diameter, 7 inches long. Attaches directly to can screw and syphon tube.

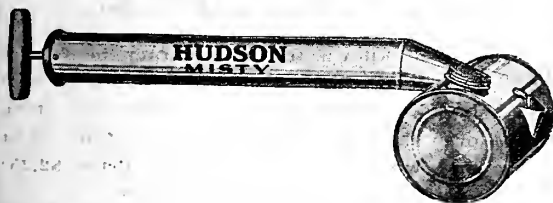
**Tank.** An ordinary ink bottle with screw top.

**No. G-2 Bantam, Tin, Each** ..... 15c  
Postage 12c extra



The **Midget** is a very efficient sprayer for use around the home and small garden. Holds ¾ pint. Made of heavy tin. Has 10 inch pump, set into tank. Handles all insecticides and fungicides.

**No. 202 Midget, wt. 1 lb. Each** ..... 30c  
Postage 12c Extra



The **Misty** is a very popular sprayer for home owners, back yard gardeners, etc. Holds 1 quart. Made of heavy tin. Handles all spray liquids. Tank has large filler opening. Pump is set into tank to insure rigidity.

**No. 452 Misty, wt. 2 lbs. Each** ..... 40c  
Postage 15c extra

## SPRAYERS—Continued

**HUDSON FAVORITE**—A high pressure sprayer of first quality. Holds 4 gallons. Not Postpaid.

Brass, Each ..... \$9.00

### HUDSON BARREL PUMP

A very powerful barrel pump. Develops 200 lbs. working pressure. Equipped with a special non-clogging strainer and dasher type agitator which cleans it at each stroke of the pump. Has 6 feet hose and and 4 feet of iron extension. Ideal angle nozzle. Handles all liquids, easy to clean and extremely well made. Not Postpaid. Wt. 35 lbs.



Each ..... \$10.75

### HUDSON MODOC

A very efficient bucket pump, continuous and double acting. All brass pump cylinder and valve assembly. Adjustable foot rest. Handles white-wash, oils, water paint and many other liquids. Not Postpaid.

Each ..... \$3.75

### RAT AND MOUSE BAITS



**KRAM** is manufactured from the red squill bulb and is recommended by the U. S. Government for killing rats and mice. It is not a poison and is harmless to man or domestic animals. Will not kill livestock, dogs, cats or poultry. Satisfaction or your

money refunded. Postpaid. 50c.

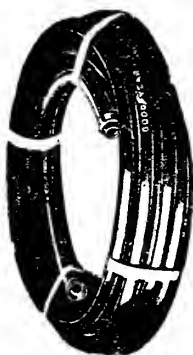
### GARDENING HINTS

Book on "How to Make the Garden Pay," given **FREE** with \$2.50 seed order. See Inside Front Cover

## GOODYEAR GARDEN HOSE

This hose will need no introduction and every foot is sold on a money back guarantee.

You must see this hose to appreciate the wonderful value. Sold in 50-foot lengths with couplings.



**ELM HOSE**—Will give indefinite service, low cost, 50-ft. coupled, \$4.25.

**GLIDE**— $\frac{5}{8}$  molded, black hose, \$4.75.

**WINGFOOT** —  $\frac{5}{8}$  black, high quality garden hose, \$5.25.

**EMERALD** — Green hose, very high quality and we ask you to compare this hose to any other offered. 50-ft., \$8.85.

## RAT-SCENT



**RAT SCENT**—A special prepared, scented, sun-dried combination of grain which is the natural food of rats and mice. **Rat Scent** is a poison and therefore is not mailable. Price 35c.

### CYCLONE SEED SOWER



Well known for its accuracy in sowing nearly all kinds of seeds, fertilizers, etc., broadcast. Carried comfortably by strap over shoulder, not around neck. Built right and works right. Directions. Price \$2.25; 25c more will deliver to 4th zone.

## Lewiston, Idaho

**Valuable Booklets Relating to all Lines of Farming, Given FREE with Seed and Chick Orders. (See Inside Front Cover)**



# PLANTING TABLE

## VEGETABLES

## FIELD SEED

KIND OF VEGETABLE	Seed or roots required for 100 ft. of drill	One Acre	Distance for Plants Rows Apart		KIND OF CROP	Rate of Seeding per Acre
			Horse Cult.	Hand Cult.		
Asparagus Seed.....	1 oz.	5 lb.	30-36 in.	1-2 ft.	Alfalfa.....	8-12 lb.
Beans, Bush.....	1 lb.	25-40 lb.	30-36 in.	18-24 in.	Sweet Clover.....	10-15 lb.
Beans, Pole.....	½ lb.	20-35 lb.	3-4 ft.	3 ft.	Red Clover.....	8-12 lb.
Beets and Mangels.....	2 oz.	5-6 lb.	28-36 in.	12-18 in.	Alsike Clover.....	3-6 lb.
Brussels Sprouts.....	½ oz.	4-6 oz.	30-36 in.	24-30 in.	White Dutch Clover.....	2-4 lb.
Cabbage, Early.....	¼ oz.	4-6 oz.	30-36 in.	24-30 in.	Winter Vetch.....	25-40 lb.
Cabbage, Late.....	¼ oz.	4-6 oz.	30-40 in.	24-30 in.	Spring Vetch.....	40-50 lb.
Carrot.....	1 oz.	3-4 lb.	30-36 in.	18-24 in.	Rape.....	5-12 lb.
Cauliflower.....	½ oz.	2 oz.	30-36 in.	24-30 in.	Timothy.....	10-12 lb.
Celery.....	¼ oz.	4 oz.	3-5 ft.	18-36 in.	Orchard.....	12-15 lb.
Corn, Sweet.....	¼ lb.	6-8 lb.	3-3½ ft.	2-3 ft.	Brome.....	12-16 lb.
Cucumber.....	½ oz.	2 lb.	4-6 ft.	4-6 ft.	Slender Wheat.....	12-15 lb.
Dill.....	1 oz.	3 lb.	30 in.	18-24 in.	Meadow Fescue.....	15-18 lb.
Egg Plant.....	⅓ oz.	4 oz.	30-36 in.	24-30 in.	Red Top.....	6-8 lb.
Endive.....	1 oz.	2 lb.	30 in.	18 in.	Sudan.....	5-30 lb.
Kale, Dwarf.....	¼ oz.	1 lb.	30-36 in.	18-24 in.	Sunflower.....	10-20 lb.
Kohl Rabi.....	¼ oz.	1 lb.	30-36 in.	18-24 in.	Corn.....	8 lb.
Leek.....	½ oz.	4 lb.	30-36 in.	14-20 in.	Wheat.....	60-75 lb.
Lettuce.....	¼ oz.	1-2 lb.	30 in.	12-18 in.	Oat.....	60-75 lb.
Muskmelon.....	½ oz.	2-3 lb.	6-8 ft.	6 ft.	Barley.....	50-60 lb.
Watermelon.....	1 oz.	3-4 lb.	6-10 ft.	6 ft.	Rye.....	30-70 lb.
Mustard.....	1 oz.	1-2 lb.	30-36 in.	12-18 in.	Field Peas.....	90-150 lb.
Okra.....	2 oz.	8 lb.	4-5 ft.	3-4 ft.	Beans.....	25-40 lb.
Onion, Seed.....	½ oz.	4 lb.	24-36 in.	12-18 in.		
Onion, Sets.....	1 qt.		24-36 in.	12-18 in.		
Parsley.....	½ oz.	3 lb.	30-36 in.	18-24 in.		
Parsnip.....	½ oz.	3 lb.	30-36 in.	18-24 in.		
Peas.....	2 lb.	60-120 lb.	30-36 in.	18-24 in.		
Peppers.....	⅓ oz.	2 oz.	30-36 in.	18-24 in.		
Potatoes, Irish.....	5-10 lb.	800-1000 lb.	30-36 in.	24-36 in.		
Pumpkin.....	½ oz.	3-4 lb.	4-8 ft.	3-6 ft.		
Radish.....	1 oz.	10 lb.	24-36 in.	12-18 in.		
Rhubarb, Seed.....	½ oz.		3 ft.	3 ft.		
Rutabagas.....	½ oz.	2-3 lb.	30-36 in.	18-24 in.		
Salsify.....	2 oz.	10 lb.	30 in.	18-24 in.		
Spinach.....	1 oz.	8-9 lb.	30-36 in.	12-24 in.		
Squash, Bush.....	½ oz.	3 lb.	3-4 ft.	4-8 ft.		
Squash, Late.....	½ oz.	2 lb.	4-8 ft.	4-8 ft.		
Tomato.....	⅓ oz.	2 oz.	3-5 ft.	3-4 ft.		
Turnips.....	½ oz.	2 lb.	24-36 in.	18-24 in.		

## PARCELS POST RATES

Zone	For First Pound	Each Pound Additional
1st	8c	1.1c
2nd	8c	1.1c
3rd	9c	2.0c
4th	10c	3.5c
5th	11c	5.3c
6th	12c	7.0c
7th	14c	9.0c
8th	15c	11.0c

In estimating parcel post charges be sure to make allowances for packing. A fraction of a pound takes full pound rate.

# INDEX

Page	Page	Page	Page
Alfalfa.....33-34	Field Corn.....38	Oats.....38	Seed Disinfectant.....44
Asparagus.....1	Field Peas.....39	Okra.....11	Seeders.....35-47
Asters.....20	Flax.....38	Onion Plants.....12	Semesan.....41
Barley.....39	Flowers, Alphabetical List.....20-28	Onions.....11	Sudan Grass.....36
Beans.....1-2	Fruit Trees.....33	Onion Sets.....12	Sunflowers.....37
Beets.....3	Fungicides.....40-41	Orchard Grass.....36	Sweet Clover.....34
Brome Grass.....36	Garden Supplies.....47-48	Ornamentals.....30-31	Sweet Corn.....6
Brooder Heater.....44	Gladioli.....28	Parsley.....13	Sweet Peas.....28
Brooders.....45	Grasses.....36-37	Parsnips.....13	Swiss Chard.....3
Cabbage.....4	Hardy Perennial Plants.....29	Peas.....13	Sodium Chlorate.....42
Carrots.....5	Hotkaps.....9	Peonies.....29	Slender Wheat.....36
Casabas.....10	Incubators.....45	Peppers.....12	Spinach.....17
Cauliflower.....5	Insecticides etc.....40-41	Petunias.....23	Sprayers.....47
Celery.....6	Kale.....7	Potatoes.....15	Sprays.....42
Cel-O-Glass.....43	Kentucky Blue Grass.....37	Poultry Supplies.....43-44-45	Squash.....16
Chicks.....pink, 2	Kohl Rabi.....7	Pumpkins.....14	Stock Beets.....3
Clovers.....34-35	Lawn Grass.....37	Radishes.....17	Timothy.....36
Corn, Pop.....7	Leek.....7	Rape.....36	Tomatoes.....18
Cucumbers.....7	Lettuce.....8	Red Top.....36	Trees, Ornamental.....32
Cyanogas.....40	Lilies.....29	Rhubarb.....18	Turnips.....19
Dill.....7	Meadow Fescue.....36	Roses.....32	Vegetable Plants.....19
Egg Plant.....8	Muskmelons.....9-10	Rutabagas.....18	Vetch.....35
Endive.....7	Mustard.....7	Rye.....39	Vines.....32
Fertilizers.....39-40		Salsify.....18	Watermelons.....10
Field Beans.....35-39			Zinnias.....27



# DUTHIE'S SPECIALS

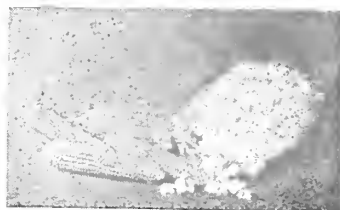
## For 1933



Giant Wonder

New Giant Wonder Peas — The New Giant Wonder Pea is a sport from the old favorite American Wonder Pea. It is larger, more prolific and will stay in eating condition longer than the old type.

**Golden Sunburst**—The finest of all popcorn. This corn, as its name implies, is a rich golden yellow and retains a buttery yellow appearance when popped. It also contains vitamins essential to high food value and has been bred up for a number of years by the individual ear test method for high popping volume. The seed that we offer is all ear tested stock of high popping value



Golden Sunburst Pop Corn



Early White Wonder

**Early White Wonder Potatoes**—These remarkable new early potatoes have again proven their value as a high producer of fine quality. Read the letter from a satisfied customer on page 25. See combination offer below.

## Combination Offer

1 lb. Golden Sunburst Popcorn .....	\$ .35
1 lb. Giant Wonder Peas .....	.35
5 lbs. Early Wonder Potatoes .....	.50
Any other selection of garden or flower seeds from our general list, amounting to .....	1.00
	<b>\$2.20</b>

Sent Postpaid to 3rd zone for \$1.95